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MILITARY CONSTRUCTION APPROPRIATIONS FOR 1987

HEARINGS

BEFORE A

SUBCOMMITTEE OF THE

COMMITTEE ON APPROPRIATIONS

HOUSE OF REPRESENTATIVES

NINETY-NINTH CONGRESS

SECOND SESSION

SUBCOMMITTEE ON MILITARY CONSTRUCTION APPROPRIATIONS

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WILLIAM A. MARINELLI, MARK W. MURRAY, and MARY FEDELI, *Subcommittee Staff*

PART 2

Justification of the Budget Estimates

NAVY, DEFENSE AGENCIES, AND NATO

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Printed for the use of the Committee on Appropriations

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Department of the Navy

FY 1987 MILITARY CONSTRUCTION & FAMILY HOUSING PROGRAM

February 1986

JUSTIFICATION DATA SUBMITTED TO CONGRESS

DEPARTMENT OF THE NAVY
FY 1987 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM

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STATE LIST

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State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
		INSIDE THE UNITED STATES					
Alaska		Naval Air Station Adak	PACFLT				259
	920	Radar Support Facilities		$ 24,400	$ 24,400	70	260
	011	Construction Management Facility Improvements		500	500	35	760
		Subtotal		24,900	24,900		
		Naval Facility Adak	PACFLT				262
	010	Terminal Building Addition		5,700	5,700	45	263
		Subtotal		5,700	5,700		
		Naval Security Group Activity, Adak	SECGRU				445
	057	Ocean Surveillance Building		13,400	13,400	45	446
	054	Water Distribution System Improvements		1,200	1,200	45	448
		Subtotal		14,600	14,600		
		TOTAL FOR ALASKA		45,200	45,200		
Arizona		Marine Corps Air Station Yuma	MARCORPS				169
	393	Tactical Support Van Pads		1,870	1,870	35	170
	396	Maintenance Hangars Additions		2,650	2,650	35	172
	407	Marine Air Control Squadron Facility		2,950	2,950	1/	174
	408	Battalion Headquarters		0	2,050	100	176
	333	Armory		640	640	35	761
	403	Engine Maintenance Facility Modifications		300	300	35	761
	017	Construction Management Facility		450	450	35	761
		Subtotal		8,860	10,910		
		TOTAL FOR ARIZONA		8,860	10,910		

1/ One-step procurement.

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California		Naval Air Station Alameda	PACFLT				265
	204	Berthing Pier and Utilities Improvements		$ 17,675	$ 17,675	40	266
	278	Waterfront Support Facility		950	950	55	762
		Subtotal		18,625	18,625		
		Marine Corps Air Station Camp Pendleton	MARCORPS				85
	338	Ordnance Handling Pad		3,040	3,040	35	86
	235	Aircraft Operations Building and Control Tower		2,160	2,160	35	88
	357	Aircraft Maintenance Training Buildings		1,080	1,080	35	90
	525	Engine Test Cell		3,240	3,240	35	92
	457	Oil Spill Prevention		540	540	35	749
	360	Electronics and Communications Maintenance Shop		350	350	90	762
		Subtotal		10,410	10,410		
		Marine Corps Base Camp Pendleton	MARCORPS				94
	356	Training Support Center		5,500	5,500	40	95
	906	Parachute and Survival Equipment Shop		2,160	2,160	40	98
	688	Combat Vehicle Maintenance Shop		4,320	4,320	40	100
	690	Communications Support Storehouse		2,650	2,650	40	102
	689	Battalion Operations Center		1,080	1,080	40	104
	905	Bachelor Enlisted Quarters		12,300	12,300	50	106
	961	Mess Hall Additions and Modernizations		5,100	5,100	40	108
	609	Physical Fitness Center		2,850	2,850	40	110
	982	Oil Spill Prevention		1,180	1,180	35	750
	875	Family Housing (100 units)		1,800	1,800	N/A	823
		Subtotal		38,940	38,940		

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California (Continued)		Naval Facility Centerville Beach	PACFLT				279
	001	Security Improvements		$ 1,370	$ 1,370	40	280
		Subtotal		1,370	1,370		
		Naval Weapons Center China Lake	OCNR				579
	241	Guided Missile Laboratory		10,300	10,300	40	580
	275	Explosive Ordnance Breakdown Facility		1,370	1,370	40	583
	233	Mess Hall		2,450	2,450	50	586
		Subtotal		14,120	14,120		
		Naval Weapons Station Concord	NAVSEA				536
	267	Missile Test Cells		790	790	35	763
		Subtotal		790	790		
		Naval Amphibious Base Coronado	PACFLT				282
	078	Operational Storage Warehouse		3,720	3,720	35	283
	154	Sealift Support Pier		2,550	2,550	35	285
	096	Bachelor Officer Quarters		9,800	9,800	35	287
	148	Electrical Distribution System Improvements		5,100	5,100	50	289
		Subtotal		21,170	21,170		
		Marine Corps Air Station El Toro	MARCORPS				121
	551	Maintenance Hangar Modernization		11,880	11,880	35	122
	394	Engine Maintenance Shop Addition		1,570	1,570	35	124
		Subtotal		13,450	13,450		
		Naval Air Station Lemoore	PACFLT				302
	082	Industrial Waste Treatment Facility		980	980	40	750
		Subtotal		980	980		

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California (Continued)		Naval Station Long Beach	PACFLT				303
	173	Bachelor Enlisted Quarters		$ 7,050	$ 7,050	35	304
	174	Bachelor Officer Quarters		3,730	3,730	50	306
	162	Lighting Systems		210	210	50	744
	015	Family Housing (300 Units)		22,900	22,900	N/A	813
		Subtotal		33,890	33,890		
		Navy Tactical Interoperability Support Activity, Long Beach	CNO				187
	003	Tactical Data System Support Facility		510	510	70	763
		Subtotal		510	510		
		Naval Shipyard Long Beach	NAVSEA				559
	183	Electronic Systems Evaluation Facility		1,180	1,180	40	560
	215	Hazardous Waste Facility		2,450	2,450	40	750
		Subtotal		3,630	3,630		
		Naval Air Station Miramar	PACFLT				311
	297	Maintenance Hangar Addition		5,110	5,110	35	312
	267	Avionics Shop Addition		3,240	3,240	35	314
	179	Bachelor Enlisted Quarters		13,200	13,200	35	316
	489	Consolidated Brig		22,500	22,500	35	318
	298	Hangar Utilities Improvements		350	350	80	763
		Subtotal		44,400	44,400		
		Naval Air Station Moffett Field	PACFLT				
	057	Family Housing (126 Units)		11,600	11,600	N/A	818
		Subtotal		11,600	11,600		

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California (Continued)		**Naval Supply Center Oakland**	NAVSUP				460
	084	General Warehouse Addition and Modernization		$ 2,950	$ 2,950	35	461
	019	Fire Protection System		540	540	35	764
		Subtotal		3,490	3,490		
		Pacific Missile Test Center, Point Mugu	NAVAIR				495
	036	Telemetry Facilities		590	590	50	764
		Subtotal		590	590		
		Naval Construction Battalion Center Port Hueneme	NAVFAC				516
	452	Engineering Support Facility		3,140	3,140	45	517
	392	Bachelor Officer Quarters		3,040	3,040	35	519
	081	Chapel		0	2,040	100	521
	407	Abrasive Blast Facility		300	300	35	764
	389	Hazardous Waste Facility		640	640	50	751
		Subtotal		7,120	9,160		
		Naval Contruction Training Center Port Hueneme	CNET				401
	436	Seabee Fleet Support Training Facilities		3,240	3,240	50	402
	431	Automotive Vehicle Maintenance Facility		1,470	1,470	50	404
		Subtotal		4,710	4,710		
		Fleet Intelligence Training Center Pacific, San Diego	CNET				406
	001	Intelligence Training Building		4,220	4,220	40	407
		Subtotal		4,220	4,220		

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California (Continued)		Fleet Training Center San Diego	CNET				409
	013	Weapons Training Building		$ 3,930	$ 3,930	40	410
		Subtotal		3,930	3,930		
		Marine Corps Recruit Depot, San Diego	MARCORPS				512
	188	Supply Complex		8,440	8,440	35	153
		Subtotal		8,440	8,440		
		Naval Station San Diego	PACFLT				324
	296	Dredging		1,260	1,260	60	325
	253	Bachelor Enlisted Quarters		18,200	18,200	35	327
		Subtotal		19,460	19,460		
		Naval Submarine Base San Diego	PACFLT				329
	053	Bachelor Enlisted Quarters		9,100	9,100	40	330
	098	Sewerage System Improvements		300	300	40	751
		Subtotal		9,400	9,400		
		Naval Supply Center San Diego	NAVSUP				467
	058	Personal Property Office		1,370	1,370	35	468
	069	Railroad Track Relocation		2,450	2,450	80	470
		Subtotal		3,820	3,820		
		Naval Security Group Detachment, San Diego	SECGRU				450
	181	Classified Materials Issuing Office Addition		1,570	1,570	40	451
		Subtotal		1,570	1,570		

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California (Continued)		Naval Training Center San Diego	CNET				412
	332	Machinery Repairman Training Building		$ 5,700	$ 5,700	40	413
	171	Barracks		4,220	4,220	45	415
	083	Electrical Distribution System Improvements		8,250	8,250	50	417
	352	Bridge		2,950	2,950	50	419
		Subtotal		21,120	21,120		
		Naval Technical Training Center, San Francisco	CNET				421
	216	Fire Fighting Trainer Facility		9,820	9,820	45	422
		Subtotal		9,820	9,820		
		Navy Public Works Center San Francisco	NAVFAC				523
	044	Noise Attenuation		450	450	60	765
	031	Family Housing (300 Units)		26,450	26,450	N/A	825
		Subtotal		26,900	26,900		
		Naval Weapons Station Seal Beach	NAVSEA				571
	112	Quality Evaluation Laboratory		6,100	6,100	40	572
		Subtotal		6,100	6,100		
		Naval Communication Station, Stockton	TELCOM				441
	065	Fire Protection Pipeline		2,750	2,750	60	442
		Subtotal		2,750	2,750		

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California (Continued)		Marine Corps Air Station Tustin	MARCORPS				155
	228	Aircraft Rinse Facility		$ 870	$ 870	40	766
	180	Armory		790	790	35	765
	221	Air Traffic Control Squadron Facility		2,450	2,450	35	156
	141	Bachelor Enlisted Quarters		10,800	10,800	35	158
		Subtotal		14,910	14,910		
		Marine Corps Air-Ground Combat Center Twentynine Palms	MARCORPS				160
	377	Combined Arms Trainer Facility		1,280	1,280	50	161
	360	Organizational Automotive Maintenance Shop		9,820	9,820	40	163
	243	Regimental Battalion Operations Center		3,930	3,930	40	165
	235	Bachelor Enlisted Quarters		22,600	22,600	40	167
	845	Family Housing (392 Units)		33,900	33,900	N/A	835
	846	Family Housing (75 Units)		1,400	1,400	N/A	837
		Subtotal		72,930	72,930		
		Combat Systems Technical Schools Command Mare Island, Vallejo	CNET				424
	025	Combat Systems Maintenance Training Facility		5,200	5,200	45	425
		Subtotal		5,200	5,200		
		Naval Station, Mare Island, Vallejo	PACFLT				335
	055	Religious Education Building Alteration		470	470	90	766
		Subtotal		470	470		
		TOTAL FOR CALIFORNIA		440,835	442,875		

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Connecticut		Naval Submarine Base New London	LANTFLT				236
	382	Quaywall		$ 3,160	$ 3,160	40	237
	356	Weapons Storage Improvements		2,950	2,950	35	239
	336	Bachelor Officer Quarters		9,300	9,300	60	241
	379	Fuel Storage Tanks		1,470	1,470	50	243
		Subtotal		16,880	16,880		
		Naval Submarine School New London	CNET				368
	173	Advanced Engineering Training Facility		6,200	6,200	60	369
	329	Submarine Fire Fighting Trainer Facility		3,340	3,340	60	371
		Subtotal		9,540	9,540		
		TOTAL FOR CONNECTICUT		26,420	26,420		
District of Columbia		Commandant, Naval District Washington	CMO				196
	289	White House Support Complex		24,000	24,000	10	197
	218	Bachelor Enlisted Quarters Modernization		2,000	2,000	75	199
		Subtotal		26,000	26,000		
		Naval Observatory Washington	NAVOCEANO				436
	024	Emergency Power Building		980	980	60	766
		Subtotal		980	980		
		Naval Research Laboratory Washington	OCNR				604
	025	Physics Laboratory Improvements		8,730	8,730	40	605
		Subtotal		8,730	8,730		
		TOTAL FOR DISTRICT OF COLUMBIA		35,710	35,710		

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Florida		Naval Air Station Cecil Field	LANTFLT				206
	205	Aircraft Acoustical Enclosure		$ 4,910	$ 4,910	85	207
	258	Bachelor Enlisted Quarters		3,730	3,730	90	209
		Subtotal		8,640	8,640		
		Naval Air Station Jacksonville	LANTFLT				215
	074	Aircraft Parking Apron		2,160	2,160	90	216
	100	Helicopter Training Facility		4,220	4,220	35	218
	386	Brig		2,650	2,650	35	220
		Subtotal		9,030	9,030		
		Naval Supply Center Jacksonville	NAVSUP				455
	011	Oil Spill Prevention		830	830	80	752
		Subtotal		830	830		
		Naval Air Station Key West	LANTFLT				222
	598	Hydrofoil Berthing Wharf		8,490	8,490	45	223
	587	Air Combat Training Debriefing Facility		930	930	35	767
	619	Municipal Sewer Connection Improvements		720	720	N/A	752
		Subtotal		10,140	10,140		
		Naval Station Mayport	LANTFLT				232
	742	Physical Fitness Center Addition		880	880	80	768
		Subtotal		880	880		
		Naval Supply Center Detachment, Mayport	LANTFLT				233
	110	Fleet Support Warehouse Addition		3,730	3,730	50	234
		Subtotal		3,730	3,730		

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Florida (Continued)		Naval Training Center Orlando	CNET				384
	226	Advanced Underwater Weapons Training Facility		$ 2,950	$ 2,950	35	385
	223	Public Works Shop		2,550	2,550	35	387
	425	Barracks		8,440	8,440	60	389
	081	Fire Station		1,230	1,230	35	391
		Subtotal		15,170	15,170		
		Naval Diving and Salvage Training Center Panama City	CNET				393
	313	Diver Training Building Addition		2,850	2,850	35	394
		Subtotal		2,850	2,850		
		Naval Coastal Systems Center, Panama City	OCNR				600
	274	Underwater Equipment Laboratory		880	880	35	768
		Subtotal		880	880		
		Naval Air Rework Facility, Pensacola	NAVAIR				491
	562	Aircraft Structures Repair Facility		8,050	8,050	35	492
		Subtotal		8,050	8,050		
		Naval Hospital Pensacola	NAVMEDCMD				434
	602	Fire Protection System Improvements		690	690	50	768
		Subtotal		690	690		

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Florida (Continued)		Naval Technical Training Center, Pensacola	CNET				396
	109	Instrumentman Training Facility		$ 4,610	$ 4,610	35	397
	071	Controlled Humidity Storage Facility		1,570	1,570	35	399
	115	Boiler Plant Modifications		1,180	1,180	40	744
		Subtotal		7,360	7,360		
		Naval Public Works · Center, Pensacola	NAVFAC				513
	002	Electrical System Improvements		1,470	1,470	35	514
	100	Hazardous Materials Storage and Handling Facility		400	400	40	769
	087	Oil Spill Prevention		250	250	85	752
		Subtotal		2,120	2,120		
		Naval Air Station Whiting Field	CNET				427
	201	Runway Improvement		2,120	2,120	100	428
		Subtotal		2,120	2,120		
		TOTAL FOR FLORIDA		72,490	72,490		
Georgia		Naval Submarine Base Kings Bay	SSPO				609
	188	Dockside Handling Building		3,340	3,340	80	611
	262	Refit Wharf		23.500	23,500	60	613
	207	Dredging (Phase I)		50,400	50,400	60	615
	215	Off-Crew Operations Building		7,400	7,400	35	617
	132A	Drydock (Phase II)		0	45,450	100	619
	141	Strategic Weapons System Second Level Maintenance Shops		3,930	3,930	35	621
	171	Refit Support Facility		2,950	2,950	35	623
	209	Defensive Ordnance Support Facilities		3,440	3,440	35	625
	380	Diesel Fuel Facilities		1,960	1,960	35	627

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Georgia (Continued)		Naval Submarine Base Kings Bay (Continued)					
	158	Strategic Weapons Magazine		$ 16,700	$ 16,700	80	629
	196	Provision Warehouse		2,160	2,160	35	631
	172	Ready Stores Facility		1,270	1,270	35	633
	241	Commander Submarine Group Office		1,550	1,550	35	635
	179	Bachelor Officer Quarters		3,440	3,440	80	637
	902	Community Impact Assistance		5,100	5,100	N/A	639
	187	Utilities and Site Improvements		4,900	4,900	70	640
	425	Fire Station		350	350	35	769
		Subtotal		132,390	177,840		
		TOTAL FOR GEORGIA		132,390	177,840		
Hawaii		Naval Air Station Barbers Point	PACFLT				276
	194	TACAMO Support Complex		25,300	25,300	40	277
		Subtotal		25,300	25,300		
		Pacific Missile Range Facility, Barking Sands	NAVAIR				473
	016	Range Operations Center Addition		2,360	2,360	65	474
	766	Aircraft Maintenance Hangar and Support Facilities		5,900	5,900	35	477
		Subtotal		8,260	8,260		
		Naval Communication Area Master Station Eastern Pacific, Honolulu	TELCOM				438
	127	Antenna Safety Improvements		1,080	1,080	35	439
		Subtotal		1,080	1,080		

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Hawaii (Continued)		Marine Corps Air Station Kaneohe Bay	MARCORPS				126
	541	Aircraft Rinse Facility		$ 1,280	$ 1,280	100	127
	537	Tactical Support Van Pads		8,840	8,840	55	129
	465	Corrosion Control Hangar		2,260	2,260	85	131
	530	Combat Vehicle Maintenance Shop		6,480	6,480	85	133
	496	Company and Battery Operations Center		9,130	9,130	50	135
	432	Bachelor Enlisted Quarters Modernization		8,800	8,800	60	137
	607	Flight Line Security Improvements		2,550	2,550	50	139
	482	Operational Trainer Facility		880	880	70	770
	540	Power Check Pad		500	500	75	770
		Subtotal		40,720	40,720		
		Naval Magazine Lualualei	PACFLT				308
	126	Missile Maintenance Facility		2,850	2,850	35	309
	129	Mine Maintenance Facility Modifications		860	860	100	770
	111	Security Improvements		640	640	90	771
		Subtotal		4,350	4,350		
		Camp H. M. Smith Oahu	MARCORPS				146
	106	Land Acquisition		1,570	1,570	100	147
	032	Security Headquarters		500	500	75	771
		Subtotal		2,070	2,070		
		Naval Station Pearl Harbor	PACFLT				320
	378	Seal Team Training and Support Building		3,240	3,240	50	321
		Subtotal		3,240	3,240		

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Hawaii (Continued)		Naval Submarine Base Pearl Harbor	PACFLT				323
	095	Dredging		$ 690	$ 690	90	771
		Subtotal		690	690		
		Naval Supply Center Pearl Harbor	NAVSUP				464
	092	Cold Storage Facility		11,820	11,820	35	465
		Subtotal		11,820	11,820		
		Navy Public Works Center Pearl Harbor	NAVFAC				507
	455	Electrical Distribution System Improvements (Phase I)		18,200	18,200	35	508
	095	Water Distribution System Improvements		6,700	6,700	40	510
	145	Municipal Sewer Connection		790	790	N/A	753
		Subtotal		25,690	25,690		
		TOTAL FOR HAWAII		123,220	123,220		
Illinois		Naval Training Center Great Lakes	CNET				349
	390	Fire Fighting Trainer		5,300	5,300	60	350
		Subtotal		5,300	5,300		
		TOTAL FOR ILLINOIS		5,300	5,300		
Indiana		Naval Weapons Support Center, Crane	NAVSEA				537
	235	Fleet Microwave Support Center		6,880	6,880	35	538
		Subtotal		6,880	6,880		
		TOTAL FOR INDIANA		6,880	6,880		

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Maine		Naval Air Station Brunswick	LANTFLT				203
	141	Ground Support Equipment Maintenance Facility		$ 2,160	2,160	35	204
	120	Oil Spill Prevention		450	450	90	753
	151	Operational Trainer Facility Addition		710	710	50	772
		Subtotal		3,320	3,320		
		Portsmouth Naval Shipyard, Kittery	NAVSEA				552
	225	Refueling Crane		6,190	6,190	N/A	553
	215	Hazardous Material Storage and Handling Facility		5,100	5,100	35	555
	145	Engineering Management Building		10,900	10,900	40	557
	196	Logistics Support Facility Alterations		980	980	60	772
		Subtotal		23,170	23,170		
		TOTAL FOR MAINE		26,490	26,490		
Maryland		Naval Academy Annapolis	CNO				183
	153	Educational Computer Center		2,260	2,260	35	184
	181	Fire Station		400	400	100	773
		Subtotal		2,660	2,660		
		Naval Ordnance Station Indian Head	NAVSEA				546
	836	Propellant Facilities Upgrade		3,680	3,680	75	547
	975	Oil Spill Prevention		500	500	70	753
		Subtotal		4,180	4,180		

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Maryland		Naval Air Test Center Patuxent River	NAVAIR				486
	374	Landing System Test Facility		$ 4,030	$ 4,030	55	487
	400	Aircraft Test and Evaluation Facility		13,300	13,300	75	489
	369	Steam and Condensate Systems		2,450	2,450	100	744
	418	Municipal Sewer Connection (Solomons Island)		1,360	1,360	N/A	754
		Subtotal		21,140	21,140		
		TOTAL FOR MARYLAND		27,980	27,980		
Missis-sippi		Naval Construction Training Center, Gulfport	CNET				352
	714	Seabee Instruction Building		1,180	1,180	90	353
		Subtotal		1,180	1,180		
		Naval Construction Battalion Center Gulfport	NAVFAC				497
	708	Controlled Humidity Storage Facilities		14,200	14,200	50	498
	703	Seabee Battalion Operations Facility		1,670	1,670	90	500
	711	Facility Energy Improvements		400	400	100	745
	500	Data Processing Center		690	690	95	773
	720	Security Building		690	690	90	774
		Subtotal		17,650	17,650		

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Missis-sippi (Contin-ued)		Naval Air Station Meridian	CNET				365
	169	Airfield Pavements		$ 3,170	$ 3,170	0	366
	252	Facility Energy Improvements		650	650	35	745
	217	Gas Generating Plant		590	590	35	774
	247	Physical Security Improvements		250	250	35	774
		Subtotal		4,660	4,660		
		Supervisor of Shipbuilding Pascagoula	NAVSEA				564
	001	Land Acquisition and Building Modernization		4,120	4,120	40	565
		Subtotal		4,120	4,120		
		TOTAL FOR MISSISSIPPI		27,610	27,610		
Nevada		Naval Air Station Fallon	PACFLT				295
	067	Parallel Runway		17,000	17,000	35	296
	269	Electronic Warfare Range Improvements		11,800	11,800	35	298
	277	Land Acquisition		6,400	6,400	N/A	300
		Subtotal		35,200	35,200		
		TOTAL FOR NEVADA		35,200	35,200		
New Jersey		Naval Weapons Station Earle	NAVSEA				540
	835	Ammunition Pier and Trestle		52,500	52,500	40	541
	889	Fleet Support Facilities		1,960	1,960	40	544
	878	Security Tower		300	300	55	775
		Subtotal		54,760	54,760		
		TOTAL FOR NEW JERSEY		54,760	54,760		

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New York		Naval Station New York	LANTFLT				245
	069	Battleship Support Complex (Increment II)		$ 62,200	$ 62,200	80	246
	054	Family Housing (300 Units)		28,330	28,330	N/A	830
		Subtotal		90,530	90,530		
		TOTAL FOR NEW YORK		90,530	90,530		
North Carolina		Marine Corps Base Camp Lejeune	MARCORPS				72
	027	Combat Vehicle Maintenance Shop		2,850	2,850	60	73
	257	Field Maintenance Complex		5,900	5,900	60	75
	643	Electronics and Communications Maintenance Shop		4,610	4,610	55	77
	031	Battalion Operations Facility		3,250	3,250	60	79
	627	Bachelor Enlisted Quarters		17,700	17,700	55	81
	663	Mess Hall		4,810	4,810	55	83
	876	Family Housing (75 Units)		930	930	N/A	843
		Subtotal		40,050	40,050		
		Naval Hospital Camp Lejeune	NAVMEDCMD				431
	721	Bachelor Enlisted Quarters		1,670	1,670	35	432
		Subtotal		1,670	1,670		
		Marine Corps Air Station Cherry Point	MARCORPS				112
	003	Troop and Cargo Staging Facility		6,870	6,870	50	113
	863	Tactical Air Combat Training Facility		3,730	3,730	45	115
	691	Refueling Vehicle Maintenance Shops		2,060	2,060	65	117
	019	Land Acquisition		1,370	1,370	75	119
	817	Aircraft Rinse Facility		500	500	60	775
	764	Operational Trainer Facility Addition		980	980	45	776
		Subtotal		15,510	15,510		

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North Carolina (Continued)		Naval Air Rework Facility Cherry Point	NAVAIR				479
	884	Aircraft Rework Facility		$ 21,600	$ 21,600	70	480
	940	Aircraft Engine Blade Rework Facility		15,600	15,600	90	483
		Subtotal		37,200	37,200		
		Marine Corps Air Station New River	MARCORPS				141
	451	Maintenance Hangar Modernizations		15,120	15,120	60	142
	410	Bachelor Enlisted Quarters		4,900	4,900	65	144
	305	Group Operations Facility		980	980	80	776
	300	Road Improvements		710	710	85	777
		Subtotal		21,710	21,710		
		TOTAL FOR NORTH CAROLINA		116,140	116,140		
ennsylvania		Navy Ships Parts Control Center, Mechanicsburg	NAVSUP				456
	097	Facility Energy Improvements		1,670	1,670	100	745
		Subtotal		1,670	1,670		
		Naval Ship System Engineering Station Philadelphia	NAVSEA				567
	521	Electrical Distribution System Improvements		400	400	50	777
		Subtotal		400	400		
		TOTAL FOR PENNSYLVANIA		2,070	2,070		
Rhode Island		Naval Education and Training Center Newport	CNET				373
	308	Bachelor Officer Quarters		8,800	8,800	45	374
	174	Utility Systems Improvements		2,900	2,900	35	376
		Subtotal		11,700	11,700		

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Rhode Island (Continued)		Surface Warfare Officers School Command, Newport	CNET				378
	360	Surface Warfare Officer Training Facility		$ 8,840	$ 8,840	35	379
		Subtotal		8,840	8,840		
		TOTAL FOR RHODE ISLAND		20,540	20,540		
South Carolina		Marine Corps Air Station Beaufort	MARCORPS				67
	364	Fuel System Maintenance Facilities		1,370	1,370	35	68
	356	Flight Line Security Improvements		1,280	1,280	60	70
	332	Aircraft Rinse Facility		740	740	100	778
	359	Runway Approach Lighting		960	960	75	778
	331	Automotive Vehicle Maintenance Shop		640	640	95	778
		Subtotal		4,990	4,990		
		Naval Station, Charleston	LANTFLT				211
	725	Mobile Mine Assembly Group Operations Facility		1,400	1.400	40	212
		Subtotal		1,400	1.400		
		Naval Shipyard Charleston	NAVSEA				526
	690	Drydock Pumphouse Alterations		7,860	7,860	35	527
	206	Hazardous and Flammable Materials Storehouse		2,950	2,950	80	529
		Subtotal		10,810	10,810		
		Naval Weapons Station Charleston	NAVSEA				531
	777	Pier Improvements		6,130	6,130	35	532
	888	Consolidated Brig		16,500	16,500	35	534
		Subtotal		22,630	22,630		

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South Carolina (Continued)		Marine Corps Recruit Depot, Parris Island	MARCORPS				149
	018	Recruit Battalion Operations Facility		$ 1,870	$ 1,870	40	150
		Subtotal		1,870	1,870		
		TOTAL FOR SOUTH CAROLINA		41,700	41,700		
Tennessee		Naval Air Station Memphis	CNET				358
	094	Aviation Ordnanceman Training Building		12,800	12,800	35	359
	005	Brig		2,750	2,750	35	361
	018	Entrance Roads Improvement		1,570	1,570	80	363
	182	Water Treatment Facility		260	260	90	754
		Subtotal		17,380	17,380		
		TOTAL FOR TENNESSEE		17,380	17,380		
Texas		Naval Air Station Corpus Christi	CNET				342
	260	Facility Energy Improvements		690	690	35	746
		Subtotal		690	690		
		Naval Air Station Kingsville	CNET				355
	224	Jet Engine Test Cell Facility		3,140	3,140	35	356
	218	Fire Alarm System		640	640	95	779
		Subtotal		3,780	3,780		
		TOTAL FOR TEXAS		4,470	4,470		
Virginia		Headquarters Marine Corps Arlington	MARCORPS				64
	003	Physical Fitness Center		3,020	3,020	40	65
		Subtotal		3,020	3,020		

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Virginia (Continued)		Naval Surface Weapons Center, Dahlgren	OCNR				588
	195	AEGIS Education Center Addition		$ 2,950	$ 2,950	100	589
	236	Weapons System Development Laboratory Addition		3,730	3,730	40	592
	199	AEGIS Computer Center Addition		3,830	3,830	75	595
	231	Personnel Support Facilities		5,450	5,450	75	598
		Subtotal		15,960	15,960		
		Fleet Combat Training Center Atlantic Dam Neck	CNET				343
	915	Chapel		0	1,570	100	344
	908	Electrical Distribution System		820	820	N/A	779
		Subtotal		820	2,390		
		Naval Guided Missiles School, Dam Neck	CNET				346
	116	Submarine Training Building Addition		3,140	3,140	55	347
		Subtotal		3,140	3,140		
		Naval Ocean Processing Facility, Dam Neck	LANTFLT				214
	899	Security Improvements		540	540	35	780
		Subtotal		540	540		
		Naval Amphibious Base Little Creek	LANTFLT				225
	260	Beach Group Operations Facilities		5,890	5,890	90	226
	103	Combat Swimmer Training Facility		0	3,730	100	229
	363	Steam and Condensate Systems		1,080	1,080	35	746
		Subtotal		6,970	10,700		

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Virginia (Continued)		Fleet Intelligence Center Europe and Atlantic Norfolk	LANTFLT				249
	126	Intelligence Building Addition		$ 1,880	$ 1,880	35	250
		Subtotal		1,880	1,880		
		Fleet Training Center Norfolk	CNET				381
	179	Electrical Trades Training Building Addition		5,400	5,400	100	382
		Subtotal		5,400	5,400		
		Naval Sea Combat Systems Engineering Station Norfolk	NAVSEA				563
	317	Shipboard Electronics Systems Evaluation Facility		980	980	50	780
		Subtotal		980	980		
		Naval Air Station Norfolk	LANTFLT				253
	104	Helicopter Training Facilities		1,570	1,570	80	254
		Subtotal		1,570	1,570		
		Naval Legal Service Office, Norfolk	CNO				192
	645	Naval Legal Service Building Addition		1,080	1,080	35	193
		Subtotal		1,080	1,080		
		Naval Supply Center Norfolk	NAVSUP				457
	440	Hazardous Materials Storage and Handling Facility Addition		3,140	3,140	50	458
		Subtotal		3,140	3,140		

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Virginia (Continued)		Navy Public Works Center Norfolk	NAVFAC				502
	238	Maintenance Storage Facility		$ 2,450	$ 2,450	50	503
	844	Steam Plant Improvements		5,600	5,600	50	505
	232	Oil Spill Prevention		690	690	70	754
		Subtotal		8,740	8,740		
		Navy Regional Data Automation Center Norfolk	CNO				188
	625	Data Processing Center		0	9,330	90	189
		Subtotal		0	9,330		
		Navy Legal Service Office Detachment, Oceana	CNO				195
	614	Legal Services Office		540	540	100	781
		Subtotal		540	540		
		Norfolk Naval Shipyard Portsmouth	NAVSEA				568
	275	Bachelor Enlisted Quarters		5,900	5,900	60	569
		Subtotal		5,900	5,900		
		Naval Electronics Systems Engineering Center Portsmouth	SPAWAR				179
	311	Electronics Systems Integration and Support Facility		1,870	1,870	40	180
		Subtotal		1,870	1,870		
		Marine Corps Development and Education Command Quantico	MARCORPS				840
	847	Family Housing (50 units)		790	790	N/A	841
		Subtotal		790	790		

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Virginia (Continued)		Naval Research Laboratory Annex, Quantico	OCNR				601
	048	Midway Research Center		$ 1,500	$1,500	20	602
		Subtotal		1,500	1,500		
		Naval Weapons Station Yorktown	NAVSEA				575
	410	Missile Storage Facilities		4,220	4,220	55	576
		Subtotal		4,220	4,220		
		TOTAL FOR VIRGINIA		68,060	82,690		
Washington		Naval Submarine Base Bangor	PACFLT				268
	047	Bachelor Enlisted Quarters		4,900	4,900	45	269
	140	Security Building		2,750	2,750	50	271
	151	Electrical Distribution System Improvements		5,600	5,600	50	273
	137	Hazardous Waste Facility		1,280	1,280	55	755
	139	Sewerage System		400	400	N/A	755
	012	Sewerage System		300	300	45	756
		Subtotal		15,230	15,230		
		Trident Refit Facility Bangor	PACFLT				275
	026	Electrical Distribution System Improvements		980	980	80	781
	055	Water Treatment Plant Improvement		590	590	50	782
		Subtotal		1,570	1,570		
		Naval Supply Center Bremerton	NAVSUP				454
	062	Oil Spill Prevention		500	500	40	756
		Subtotal		500	500		

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Washington (Continued)		Naval Station Everett	PACFLT				291
	991	Carrier Support Complex (Increment II)		$ 95,400	$ 95,400	50	292
		Subtotal		95,400	95,400		
		Naval Undersea Warfare Engineering Station Keyport	NAVSEA				549
	202	Missile Magazines		5,890	5,890	50	550
		Subtotal		5,890	5,890		
		Naval Station, Seattle	PACFLT				332
	021	Brig		2,950	2,950	35	333
		Subtotal		2,950	2,950		
		Naval Air Station Whidbey Island	PACFLT				336
	035	Aircraft Parking Apron		3,510	3,510	65	337
	060	Flight Simulator Building Addition		980	980	40	782
	090	Water Treatment Facility		690	690	55	756
		Subtotal		5,180	5,180		
		TOTAL FOR WASHINGTON		126,720	126,720		
		Subtotal - Military Construction		1,428,855	1,493,025		
		Subtotal - Military Construction for Family Housing		128,100	128,100		
		TOTAL - INSIDE THE UNITED STATES		1,556,955	1,621,125		

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		OUTSIDE THE UNITED STATES					
Australia		Naval Communication Station Harold E. Holt Exmouth	TELCOM				716
	193	Public Works Shop		$ 1,870	$ 1,870	70	717
	206	Emergency Cooling System		310	310	60	783
		Subtotal		2,180	2,180		
		TOTAL FOR AUSTRALIA		2,180	2,180		
Bahamas		Naval Underwater Systems Center, Andros Island	OCNR				739
	197	Civilian Quarters		3,730	3,730	90	740
		Subtotal		3,730	3,730		
		TOTAL FOR BAHAMAS		3,730	3,730		
Bahrain Island		Administrative Support Unit	PACFLT				676
	700	Indoor Recreation Facility		2,550	2,550	50	677
		Subtotal		2,550	2,550		
		TOTAL FOR BAHRAIN ISLAND		2,550	2,550		
Cuba		Naval Station Guantanamo Bay	LANTFLT				654
	404	Standby Electric Power Generators		2,600	2,600	50	655
		Subtotal		2,600	2,600		
		TOTAL FOR CUBA		2,600	2,600		
Guam		Mobile Construction Battalion, Camp Covington	PACFLT				682
	331	Bachelor Housing		15,500	15,500	55	683
		Subtotal		13,500	15,500		

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Guam (Continued)		Naval Communication Area Master Station Western Pacific	TELCOM				719
	216	Fire Protection System		$ 480	$ 480	80	784
		Subtotal		480	480		
		Naval Facility	PACFLT				685
	005	Security Improvements		820	820	60	784
		Subtotal		820	820		
		Naval Security Group Detachment	SECGRU				729
	224	Ocean Surveillance Building Addition		2,150	2,150	50	730
		Subtotal		2,150	2,150		
		Naval Supply Depot	PACFLT				686
	111	Fleet Support Warehouse Modifications		400	400	60	784
		Subtotal		400	400		
		Navy Public Works Center	NAVFAC				734
	144	Power Plant Modifications		1,080	1,080	60	735
	148	Vehicle Service Center		490	490	40	783
		Subtotal		1,570	1,570		
		TOTAL FOR GUAM		20,920	20,920		
Iceland		Naval Facility Keflavik	LANTFLT				657
	542	Standby Generator Plant		1,570	1,570	35	658
		Subtotal		1,570	1,570		

Department of the Navy
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State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
Iceland (Continued)		Naval Air Station Keflavik	LANTFLT				660
	309	Airfield Pavements		$ 13,490	$ 13,490	35	661
	460	Fuel Facilities		13,300	13,300	45	663
	520	Maintenance Hangar Alterations		350	350	95	785
	310	Family Housing (250 Units)		48,642	48,642	N/A	845
		Subtotal		75,782	75,782		
		TOTAL FOR ICELAND		77,352	77,352		
Italy		Naval Communication Area Master Station Mediterranean, Naples	TELCOM				720
	817	Sigonella Transmitter Facility		8,250	8,250	35	721
		Subtotal		8,250	8,250		
		Naval Support Activity Naples	NAVEUR				698
	112	Air Cargo Terminal		5,500	5,500	35	699
	126	Command Control Communications and Intelligence Complex		18,000	18,000	35	702
	103	Submarine Mooring Facility		1,570	1,570	35	705
		Subtotal		25,070	25,070		
		Naval Air Station Sigonella	NAVEUR				711
	731	Chapel Facilities		1,370	1,370	35	712
		Subtotal		1,370	1,370		
		TOTAL FOR ITALY		34,690	34,690		
Japan		Marine Corps Air Station Futenma, Okinawa	MARCORPS				643
	285	Engine Maintenance Shop		3,440	3,440	55	644
	299	Passenger Terminal		830	830	70	785
		Subtotal		4,270	4,270		

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State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
Japan (Continued)		Marine Corps Base, Camp Smedley D. Butler Okinawa	MARCORPS				646
	532	Electronics and Communications Maintenance Shop		$ 2,750	$ 2,750	65	647
	541	Building Environmental Improvements		6,200	6,200	65	649
		Subtotal		8,950	8,950		
		TOTAL FOR JAPAN		13,220	13,220		
Republic of the Philippines		Naval Air Station Cubi Point	PACFLT				679
	770	Bachelor Officer Quarters		5,300	5,300	60	680
		Subtotal		5,300	5,300		
		Naval Communication Station, San Miguel	TELCOM				723
	939	Fire Protection System		470	470	60	787
		Subtotal		470	470		
		Naval Ship Repair Facility, Subic Bay	PACFLT				691
	895	Abrasive Blast Facility		1,770	1,770	100	692
		Subtotal		1,770	1,770		
		Naval Station Subic Bay	PACFLT				687
	987	Construction Battalion Camp		1,710	1,710	40	688
		Subtotal		1,710	1,710		
		Naval Supply Depot Subic Bay	PACFLT				690
	398	Data Processing Center Addition		290	290	70	787
		Subtotal		290	290		

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State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
Republic of the Philippines (Continued)		Navy Public Works Center Subic Bay	NAVPAC				737
	879	Facility Energy Improvements		$ 2,100	$ 2,100	60	746
		Subtotal		2,100	2,100		
		TOTAL FOR REPUBLIC OF THE PHILIPPINES		11,640	11,640		
Puerto Rico		Atlantic Fleet Weapons Training Facility Roosevelt Roads	LANTFLT				670
	857	Range Operations Center Addition		4,220	4,220	35	671
	952	Land Acquisition		195	195	N/A	674
		Subtotal		4,415	4,415		
		Naval Station Roosevelt Roads	LANTFLT				565
	425	Construction Battalion Equipment Maintenance Facility		3,930	3,930	35	666
	427	Security Facilities		2,360	2,360	35	668
	422	Underwater Demolition Team Facilities		790	790	90	786
		Subtotal		7,080	7,080		
		Naval Security Group Activity, Sabana Seca	SECGRU				732
	031	Bachelor Enlisted Quarters Improvements		790	790	35	786
		Subtotal		790	790		
		TOTAL FOR PUERTO RICO		12,285	12,285		
Spain		Naval Station, Rota	NAVEUR				708
	527	POL Pipeline Improvements		4,600	4,600	50	709
		Subtotal		4,600	4,600		
		TOTAL FOR SPAIN		4,600	4,600		

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State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
United Kingdom		Naval Security Group Activity, Edzell Scotland	SECGRU				726
	047	Ocean Surveillance Building Additions		$ 2,250	$ 2,250	70	727
		Subtotal		2,250	2,250		
		Naval Activities, London England	NAVEUR				695
	213	Consolidated Personnel Support Facilities		1,180	1,180	50	696
		Subtotal		1,180	1,180		
		Naval Communication Station, Thurso Scotland	TELCOM				724
	018	Perimeter Security Fence		350	350	55	788
		Subtotal		350	350		
		TOTAL FOR UNITED KINGDOM		3,780	3,780		
Various Locations		Classified Location	NAVEUR				
	421	Magazines		15,700	15,700	N/A	714
		Subtotal		15,700	15,700		
		Various Locations	CNO				
	087	Host Nation Infrastructure Support		300	300	N/A	652
		Subtotal		300	300		
		TOTAL FOR VARIOUS LOCATIONS		16,000	16,000		
		Subtotal - Military Construction		156,905	156,905		
		Subtotal - Military Construction for Family Housing		48,642	48,642		
		TOTAL - OUTSIDE THE UNITED STATES		205,547	205,547		

Department of the Navy
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State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
Various Loca-tions		Various Locations	-				
	VAR	Architectural and Engineering Services and Construction Design (MILCON)		$ 143,770	$ 143,770	N/A	758
		(Family Housing)		2,000	2,000	N/A	881
	VAR	Post Acquisition Construction (Family Housing Improvements)	-	51,580	51,580	N/A	850
	086	Unspecified Minor Construction	-	15,000	15,000	N/A	757
	186	Access Roads	-	5,400	5,400	N/A	759
		Subtotal		217,750	217,750		
	Subtotal - Military Construction			164,170	164,170		
	Subtotal - Military Construction for Family Housing			53,580	53,580		
	TOTAL FOR VARIOUS LOCATIONS			217,750	217,750		

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Total - FY 1987 Military Construction Program	1,749,930	1,814,100
Total - FY 1987 Military Construction Family Housing Program	230,322	230,322
GRAND TOTAL	1,980,252	2,044,422

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Bahrain Island, ADMINSUPPUNIT	676
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Barking Sands PMRF, Hawaii	473
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San Diego NSB, California	329
San Diego NSC, California	467
San Diego NSGDET, California	450
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BUDGET APPENDIX EXTRACT

Military Construction, Navy

For acquisition, construction, installation, and equipment of temporary or permanent public works, naval installations, facilities, and real property for the Navy as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, ($1,705,370,000) $1,814,100,000, to remain available until September 30, (1990) 1991: Provided, That of this amount, not to exceed ($138,660,000) $143,770,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor. (10 U.S.C. 2675, 2802-05, 2807, 2828, 2851-54, 2857; Military Construction Appropriations Act, 1986, as included in Public Law 99-173; additional authorizing legislation to be proposed.)

(Note: Dollars in parentheses represent FY 1986 amounts.)

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Military Construction, Navy 1205n

Program and Financing (in Thousands of dollars) FISCAL YEAR 1981 REPORT 21 04 Feb 86

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TPJE 1280

Identification code 17-1205-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction				11,840		
00.0201	Minor construction				360		
00.0401	Supporting activities				923		
10.0001	Total				13,123		
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)						
14.0001	Non-Federal sources(-)						
17.0001	Recovery of prior year obligations				2,895		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				255		
21.4007	Reprograming from/to prior year budget plans				-2,775		
25.0001	Unobligated balance lapsing	-866			-14,363		
39.0001	Budget authority	866			856		

Military Construction, Navy
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Identification code 17-1205-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Major construction				48,349	76,507	
00.0201 Minor construction				732		
00.0301 Planning				534		
00.0401 Supporting activities				13		
10.0001 Total				49,628	76,507	
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)				3,884		
14.0001 Non-Federal sources(-)				3,040		
17.0001 Recovery of prior year obligations				-1,202		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-131,858	-76,507	
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				76,507		
39.0001 Budget authority						

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TPUE 1282

Identification code 17-1205-0-1-051

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction				89,724	32,352	28,730
00.0201	Minor construction				1,660	1,168	
00.0401	Supporting activities				676	375	
00.9101	Total direct program	----------	----------	----------	92,080	33,895	28,730
01.0101	Reimbursable program				25,799		
10.0001	Total	----------	----------	----------	117,879	33,895	28,730
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)				22,756		
14.0001	Non-Federal sources(-)				5,735		
17.0001	Recovery of prior year obligations				-41		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-208,956	-62,625	-28,730
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				62,625	28,730	
39.0001	Budget authority	----------	----------	----------	----------	----------	----------

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                              Military Construction, Navy                                   REPORT 21      04 Feb 86
                 Program and Financing (in Thousands of dollars)  FISCAL YEAR 1984                         PAGE  696
----------------------------------------------------------------------------------------------------------TPGE 1283
                                          Budgut Plan (amounts for MILITARY                  Obligations
                                          CONSTRUCTION actions programed)
Identification code    17-1205-0-1-051    ----------------------------------  ----------------------------------
                                          1985 actual  1986 est.  1987 est.  1965 actual  1986 est.  1987 est.
----------------------------------------------------------------------------------------------------------------
      Program by activities:
        Direct program:
00.0101     Major construction
00.0201     Minor construction                                                154,914     111,361      31,275
00.0301     Planning                                                            1,169
00.0401     Supporting activities                                                 236
                                                                                  968         919
                                          ---------- ---------- ---------- ---------- ---------- ----------
00.9101     Total direct program
                                                                              157,307     112,280      31,275
01.0101   Reimbursable program
                                                                               38,198
                                          ---------- ---------- ---------- ---------- ---------- ----------
10.0001     Total
                                                                              195,505     112,280      31,275
      Financing:
        Offsetting collections from:
11.0001       Federal funds(-)
14.0001       Non-Federal sources(-)                                          113,891
        Unobligated balance available, start of year:                           6,706
21.4002       For completion of prior year budget plans
        Unobligated balance available, end of year:                          -475,373    -159,271     -46,981
24.4002       For completion of prior your budget plans
                                                                              159,271      46,991      15,716
                                          ---------- ---------- ---------- ---------- ---------- ----------
39.0001       Budget authority
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                                           Military Construction, Navy                                  1205n
---------------------------------------- Program and Financing (In Thousands of dollars)  FISCAL YEAR 1985    REPORT 21     04 Feb 86
                                                       Budget Plan (amounts for MILITARY                                    PAGE  697
Identification code    17-1205-0-1-051                 CONSTRUCTION actions programed)                   Obligations  ---------TPGE 1284
---------------------------------------------------    ----------------------------------  ------------------------------------------
        Program by activities:                         1985 actual    1986 est    1987 est.  1985 actual   1986 est.    1987 est.
          Direct program:                              ---------------------------------------------------------------------------
00.0101     Major construction
00.0201     Minor construction
00.0301     Planning                                     1,363,192                              877,382      254,196      107,424
00.0401     Supporting activities                           19,000                               17,461
                                                           148,400                              147,514          500
00.9101     Total direct program                             4,000                                2,243        1,045          712
                                                       -----------  -----------  -----------  -----------  -----------  -----------
01.0101   Reimbursable program                           1,534,592                            1,044,600      255,741      108,136

10.0001     Total                                          267,665                              267,665
                                                       -----------  -----------  -----------  -----------  -----------  -----------
         Financing:                                      1,802,257                            1,312,265      255,741      108,136
           Offsetting collections from:
11.0001      Federal funds(-)
14.0001      Non-Federal sources(-)                       -242,076                             -242,076
           Unobligated balance available, start of year:   -25,589                              -25,589
21.4002      For completion of prior year budget plans
           Unobligated balance available, end of year:
24.4002      For completion of prior year budget plans                                                      -489,991     -234,250
40.0001  Budget authority (Appropriation)              -----------  -----------  -----------     489,991      234,250      126,114
---------------------------------------------------      1,534,592                            -----------  -----------  -----------
                                                                                              1,534,592
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Identification code 17-1205-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction		1,550,590			1,031,798	304,554
00.0201	Minor construction		13,700			13,100	560
00.0301	Planning		138,660			128,700	260
00.0401	Supporting activities		2,420			2,368	52
00.9101	Total direct program		1,705,370			1,175,966	305,426
01.0101	Reimbursable program		330,800			330,800	
10.0001	Total		2,036,170			1,506,766	305,426
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)		-236,850			-236,850	
14.0001	Non-Federal sources(-)		-93,950			-93,950	
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						-529,404
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					529,404	223,978
40.0001	Budget authority (Appropriation)		1,705,370			1,705,370	

Military Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1987 REPORT 21 04 Feb 86
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TPGE 1286

Identification code 17-1205-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed): 1985 actual	1986 est.	1987 est.	Obligations: 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Major construction			1,649,930			1,092,147
00.0201 Minor construction			15,000			14,000
00.0301 Planning			143,770			142,000
00.0401 Supporting activities			5,400			1,779
00.9101 Total direct program			1,814,100			1,249,926
01.0101 Reimbursable program			355,800			355,800
10.0001 Total			2,169,900			1,605,726
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)			-260,600			-260,600
14.0001 Non-Federal sources(-)			-95,200			-95,200
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans						564,174
40.0001 Budget authority (Appropriation)			1,814,100			1,814,100

Milita , Construction, Navy
Program and Financing (in Thousands of dollars) SUMMARY

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Identification code 17-1205-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed) 1985 actual	1986 est.	1987 est	Obligations 1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction	1,363,182	1,550,390	1,649,930	1,182,209	1,506,214	1,564,130
00.0201	Minor construction	19,000	13,700	15,000	21,422	14,268	14 560
00.0301	Planning	148,400	138,860	143,770	148,284	129,200	142,260
00.0401	Supporting activities	4,000	2,420	5,400	4,823	4,707	2,543
00.9101	Total direct program	1,534,582	1,705,370	1,814,100	1,356,738	1,654,389	1,723,493
01.0101	Reimbursable program	267,665	330,800	355,800	331,662	330 800	355,800
10.0001	Total	1,802,247	2,036,170	2,169,900	1,688,400	1,985,189	2,079,293
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)	-242,076	-236,850	-260,600	-98,848	-236,850	-260,600
14.0001	Non-Federal sources(-)	-25,589	-93,950	-95,200	-9,653	-93,950	-95,200
17.0001	Recovery of prior year obligations				-4,018		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-830,550	-788,394	-839,375
21.4067	Reprograming from/to prior year budget pla	-666					
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				788,394	839,375	929,982
25.0001	Unobligated balance lapsing	666			850		
40.0001	Budget authority (appropriation)	1,534,582	1,705,370	1,814,100	1,534,582	1,705,370	1,814,100
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net				1,579,899	1,654,389	1,723,493
72.4001	Obligated balance, start of year				1,032,913	1,377,343	1,700,322
74.4001	Obligated balance, end of year				-1,377,343	-1,700,322	-2,063,729
77.0001	Adjustments in expired accounts				548		
78.0001	Adjustments in unexpired accounts				-4,018		
90 0001	Outlays				1,232,000	1,331,410	1,360,086

.PK Navy Nelson COONCE

Military Construction, Navy 1205n
Object Classification (in Thousands of dollars) SUMMARY REPORT 21 04 Feb 86
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TPGE 1208

Identification code 17-1205-0-1-051

		1985 actual	1986 est.	1987 est.
	Direct obligations:			
	Personnel compensation:			
111.101	Full-time permanent	66,690	71,387	79,182
111.301	Other than full-time permanent	4,721	597	830
111.501	Other personnel compensation	2,366	2,652	2,866
111.901	Total personnel compensation	73,777	74,636	82,878
112.101	Personnel Benefits: Civilian personnel	11,525	11,661	13,020
113.001	Benefits for former personnel	45	216	216
121.001	Travel and transportation of persons	4,011	4,498	4,598
122.001	Transportation of things	4,239	4,437	4,469
123.201	Rental payments to others	5,504	7,143	7,436
124.001	Printing and reproduction	3,682	4,789	4,986
	Other services:			
125.001	Payments to foreign national indirect hire personnel	1,351	1,931	1,931
125.003	Contracts	33,293	45,595	54,273
126.001	Supplies and materials	2,491	3,148	3,277
131.001	Equipment	1,469	1,690	1,759
132.001	Lands and structures	1,210,528	1,489,938	1,542,107
199.001	Total Direct obligations	1,351,915	1,649,632	1,720,960
	Reimbursable obligations:			
	Personnel Compensation:			
211.101	Full-time permanent	14,537	16,902	16,752
211.301	Other than full-time permanent	430	130	133
211.501	Other personnel compensation	559	567	560
211.901	Total personnel compensation	15,526	17,599	17,445
212.101	Personnel Benefits: Civilian Personnel	1,948	2,207	2,198
221.001	Travel and transportation of persons	1,693	1,588	1,630
222.001	Transportation of things	56	41	43
223.201	Rental payments to others	883	920	958
224.001	Printing and reproduction	1,613	996	1,037
	Other services:			
225.003	Contracts	661	1,839	3,371
226.001	Supplies and materials	105	103	107
231.001	Equipment	174	31	32
232.001	Lands and structures	309,001	305,476	328,979
299.001	Total Reimbursable obligations	331,662	330,800	355,800
	Allocation Accounts			
	Personnel compensation:			
311.101	Full-time permanent	19	19	19
311.301	Other than full-time permanent	10	10	10
311.501	Other personnel compensation	6	6	6
311.901	Total personnel compensation	35	35	35

.PK Navy Nelson COONCE

1205n

Military Construction, Navy
Object Classification (in Thousands of dollars) SUMMARY

REPORT 21

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TPGE 1289

Identification code 17-1205-0-1-051		1985 actual	1986 est.	1987 est.
312.101	Personnel benefits: Civilian personnel	4	4	4
321.001	Travel and transportation of persons	23	23	23
322.001	Transportation of things	12	12	12
	Other services:			
325.004	Other	121	121	121
326.001	Supplies and materials	4	4	4
332.001	Lands and structures	4,624	4,508	2,344
399.001	Total Allocation Accounts	4,823	4,707	2,543
999.901	Total obligations	1,688,400	1,985,189	2,079,293
	Obligations are distributed as follows:			
	Defense-Military:Navy	1,683,577	1,980,482	2,076,750
	Department of Transportation	4,823	4,707	2,543
	Total Obligations	1,688,400	1,985,189	2,079,293

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.PK Navy          Nelson              COONCE

                                        Military Construction, Navy                        1205n
                                     (Reduction Pursuant to Public Law 99-177)                       REPORT 21    04 Feb 86
-------------------------------------Program and Financing (in Thousands of dollars)  FISCAL YEAR 1982
                                              Budget Plan (amounts for MILITARY                        PAGE  703
Identification code    17-1205-6-1-051       CONSTRUCTION actions programmed)          Obligations      TPOC 1290
--------------------------------------------  --------------------------------  --------------------------------
                                              1985 actual  1986 est.  1987 est.  1985 actual  1986 est.  1987 est.
         Program by activities:
10.0001     Total
------------------------------------------------------------------------------------------------------------------
         Financing:
          Unobligated balance available, start of year:
21.4007     Reprograming from/to prior year budget pla                                         -3,748
23.4001   Unobligated balance reduction: Appropriation      -3,748
                                                             3,748
                                              ----------  ----------  ----------  ----------  ----------  ----------
39.0001       Budget authority                                                                  3,748
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Military Construction, Navy
(Reduction Pursuent to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1983

Identification code 17-1205-6-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	 1986 est.	 1987 est.	Obligations 1985 actual	 1986 est.	 1987 est.
Program by activities:						
10.0001 Total					-1,661	-1,408
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans						1,408
21.4007 Reprograming from/to prior year budget pla		-3,069				
23.4001 Unobligated balance reduction: Appropriation		3,069			3,069	
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans					-1,408	
39.0001 Budget authority						

Military Construction, Navy
(Reduction Pursuant to Public Law 99-177)
Program and Financing (In Thousands of dollars) FISCAL YEAR 1984

	Identification code 17-1205-6-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
10.0001	Total						
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans					-5,502	-1,533
21.4007	Reprograming from/to prior year budget pla						
23.4001	Unobligated balance reduction: Appropriation		-7,804				2,302
	Unobligated balance available, end of year:		7,804				
24.4002	For completion of prior year budget plans					7,804	
39.0001	Budget authority					-2,302	-769

Military Construction, Navy
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1985

Identification code 17-1205-6-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction					-12,531	-5,301
00.2001	Undistributed	-24,010					
10.0001	Total	-24,010				-12,531	-5,301
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						11,478
21.4007	Reprograming from/to prior year budget pla	24,010	-24,010				
23.4001	Unobligated balance reduction: Appropriation		24,010			24,010	
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					-11,479	-6,178
39.0001	Budget authority						

.Pk Navy Nelson COONCE

Military Construction, Navy 1205n
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986 REPORT 21 04 Feb 86

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Identification code 17-1205-6-1-051

	Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)			Obligations		
	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Major construction						
00.2001 Undistributed		-83,563			-61,837	-12,534
10.0001 Total		-83,563			-61,837	-12,534
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans						21,726
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans					-21,726	-9,192
40.0001 Budget authority (Appropriation)		-83,563			-83,563	

Military Construction, Navy
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) SUMMARY

Identification code 17-1205-6-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Major construction					-85,279	-20,776
00.2001 Undistributed	-24,010	-83,563				
10.0001 Total	-24,010	-83,563			-85,279	-20,776
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans						36,915
21.4007 Reprograming from/to prior year budget pls	24,010	-38,631				
23.4001 Unobligated balance reduction: Appropriation		38,631			38,631	
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans					-36,915	-16,139
40.0001 Budget authority (Appropriation)		-83,563			-83,563	
Relation of obligations to outlays:						
71.0001 Obligations incurred, net					-85,279	-20,776
72.4001 Obligated balance, start of year						-62,569
74.4001 Obligated balance, end of year					62,569	33,759
90.0001 Outlays					-22,710	-49,586

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.PK Navy          Nelson          COONCE
                                                                          1205n
                                  Military Construction, Navy
                          (Reduction Pursuant to Public Law 99-177)               REPORT 21     04 Feb 86
                          Object Classification (in Thousands of dollars)  SUMMARY
Identification code    17-1205-6-1-051                                                          PAGE  709
-------------------------------------------------------------------------------------------------TPGE 1296
      Direct obligations:                                          1985 actual    1986 est.     1987 est.
192.001  Undistributed
-----------------------------------------------------------------------------------------------------------
199.001  Total Direct obligations                                                  -85,279       -20,776
                                                                   -----------  -----------  -----------
                                                                                   -85,279       -20,776
999.001  Total obligations
                                                                   -----------  -----------  -----------
                                                                                   -85,279       -20,776
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SPECIAL PROGRAM CONSIDERATIONS

DEPARTMENT OF THE NAVY
FY 1987 MILITARY CONSTRUCTION PROGRAM

Special Program Considerations

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at Naval and Marine Corps installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at Naval and Marine Corps installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

Planning in the National Capital Region

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the Commission's annual review of the Five-Year Defense Program (FYDP). Construction projects within the District of Columbia with the exception of the Bolling/Anacostia area are submitted to the Commission for approval prior to the start of construction.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (Public Law 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

DEPARTMENT OF THE NAVY
FY 1987 MILITARY CONSTRUCTION PROGRAM

Special Program Considerations (Continued)

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives can be evaluated, a primary economic analysis was prepared and the results indicated on the DD Form 1391.

MAJOR CLAIMANTS SUMMARY

DEPARTMENT OF THE NAVY
FY 1987 MILITARY CONSTRUCTION PROGRAM
SUMMARY BY MAJOR CLAIMANT
(All Dollars in Thousands)

MAJOR CLAIMANT	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE NUMBER
Inside the United States			
Commandant of the Marine Corps	$ 259,850	$ 261,900	61
Space and Naval Warfare Systems Command	1,870	1,870	178
Chief of Naval Operations	30,790	40,120	182
Commander in Chief, Atlantic Fleet	127,180	130,910	201
Commander in Chief, Pacific Fleet	346,575	346,575	256
Chief of Naval Education and Training	148,930	150,500	339
Naval Medical Command	2,360	2,360	430
Naval Oceanography Command	980	980	435
Naval Telecommunications Command	3,830	3,830	437
Naval Security Group Command	16,170	16,170	444
Naval Supply Systems Command	25,270	25,270	453
Naval Air Systems Command	75,240	75,240	472
Naval Facilities Engineering Command	61,770	63,810	496
Naval Sea Systems Command	154,460	154,460	524
Office of the Chief of Naval Research	41,190	41,190	578
Stragetic Systems Project Office	132,390	177,840	608
Subtotal	1,428,855	1,493,025	
Outside the United States			
Commandant of the Marine Corps	13,220	13,220	642
Chief of Naval Operations	300	300	651
Commander in Chief, Atlantic Fleet	42,805	42,805	653
Commander in Chief, Pacific Fleet	28,340	28,340	675
Commander in Chief, U.S. Naval Forces Europe	47,920	47,920	694
Naval Telecommunications Command	11,730	11,730	715
Naval Security Group Command	5,190	5,190	725
Naval Facilities Engineering Command	3,670	3,670	733
Office of the Chief of Naval Research	3,730	3,730	738
Subtotal	156,905	156,905	
Various Locations			
Unspecified Minor Construction	15,000	15,000	757
Architectural & Engineering Services & Construction Design	143,770	143,770	758
Access Roads	5,400	5,400	759
Subtotal	164,170	164,170	
GRAND TOTAL (Without Family Housing)	1,749,930	1,814,100	

PROJECT JUSTIFICATION FORMS INSIDE THE UNITED STATES

MARINE CORPS

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDANT OF THE MARINE CORPS INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
HDQTRSMC Arlington, VA	003	Physical Fitness Center	$ 3,020	$ 3,020	65
		Subtotal	3,020	3,020	
MCAS Beaufort, SC	364	Fuel System Maintenance Facilities	1,370	1,370	68
	356	Flight Line Security Improvements	1,280	1,280	70
	332	Aircraft Rinse Facility	740	740	778
	359	Runway Approach Lighting	960	960	778
	331	Automotive Vehicle Maintenance Shop	640	640	778
		Subtotal	4,990	4,990	
MCB Camp Lejeune, NC	027	Combat Vehicle Maintenance Shop	2,850	2,850	73
	257	Field Maintenance Complex	5,900	5,900	75
	643	Electronics and Communications Maintenance Shop	4,610	4,610	77
	031	Battalion Operations Facility	3,250	3,250	79
	627	Bachelor Enlisted Quarters	17,700	17,700	81
	663	Mess Hall	4,810	4,810	83
		Subtotal	39,120	39,120	
MCAS Camp Pendleton, CA	338	Ordnance Handling Pad	3,040	3,040	86
	235	Aircraft Operations Building and Control Tower	2,160	2,160	88
	357	Aircraft Maintenance Training Buildings	1,080	1,080	90
	525	Engine Test Cell	3,240	3,240	92
	360	Electronics and Communications Maintenance Shop	350	350	762
	457	Oil Spill Prevention	540	540	749
		Subtotal	10,410	10,410	
MCB Camp Pendleton, CA	356	Training Support Center	5,500	5,500	95
	906	Parachute and Survival Equipment Shop	2,160	2,160	98
	688	Combat Vehicle Maintenance Shop	4,320	4,320	100
	690	Communications Support Storehouse	2,650	2,650	102
	685	Battalion Operations Center	1,080	1,080	104
	905	Bachelor Enlisted Quarters	12,300	12,300	106
	961	Mess Hall Additions and Modernizations	5,100	5,100	108
	609	Physical Fitness Center	2,850	2,850	110
	982	Oil Spill Prevention	1,180	1,180	750
		Subtotal	37,140	37,140	

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDANT OF THE MARINE CORPS INDEX (CONTINUED)
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
MCAS Cherry Point, NC	003	Troop and Cargo Staging Facility	$ 6,870	$ 6,870	113
	863	Tactical Air Combat Training Facility	3,730	3,730	115
	691	Refueling Vehicle Maintenance Shops	2,060	2,060	117
	019	Land Acquisition	1,370	1,370	119
	817	Aircraft Rinse Facility	500	500	775
	764	Operational Trainer Facility Addition	980	980	776
		Subtotal	15,510	15,510	
MCAS El Toro, CA	551	Maintenance Hangar Modernization	11,880	11,880	122
	394	Engine Maintenance Shop Addition	1,570	1,570	124
		Subtotal	13,450	13,450	
MCAS Kaneohe Bay, HI	541	Aircraft Rinse Facility	1,280	1,280	127
	537	Tactical Support Van Pads	8,840	8,840	129
	465	Corrosion Control Hangar	2,260	2,260	131
	530	Combat Vehicle Maintenance Shop	6,480	6,480	133
	496	Company and Battery Operations Center	9,130	9,130	135
	432	Bachelor Enlisted Quarters Modernization	8,800	8,800	137
	607	Flight Line Security Improvements	2,550	2,550	139
	482	Operational Trainer Facility	880	880	770
	540	Power Check Pad	500	500	770
		Subtotal	40,720	40,720	
MCAS New River, NC	451	Maintenance Hangar Modernizations	15,120	15,120	142
	410	Bachelor Enlisted Quarters	4,900	4,900	144
	305	Group Operations Facility	980	980	776
	300	Road Improvements	710	710	777
		Subtotal	21,710	21,710	
Camp H.M. Smith, Oahu, Hawaii	106	Land Acquisition	1,570	1,570	147
	032	Security Headquarters	500	500	771
		Subtotal	2,070	2,070	
MCRD Parris Island, SC	018	Recruit Battalion Operations Facility	1,870	1,870	150
		Subtotal	1,870	1,870	

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDANT OF THE MARINE CORPS INDEX (CONTINUED)
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
MCRD San Diego, CA	188	Supply Complex	$ 8,440	$ 8,440	153
		Subtotal	8,440	8,440	
MCAS Tustin, CA	221	Air Traffic Control Squadron Facility	2,450	2,450	156
	141	Bachelor Enlisted Quarters	10,800	10,800	158
	228	Aircraft Rinse Facility	870	870	766
	180	Armory	790	790	765
		Subtotal	14,910	14,910	
MCAGCC Twentynine Palms, CA	377	Combined Arms Trainer Facility	1,280	1,280	161
	360	Organizational Automotive Maintenance Shop	9,820	9,820	163
	243	Regimental Battalion Operations Center	3,930	3,930	165
	235	Bachelor Enlisted Quarters	22,600	22,600	167
		Subtotal	37,630	37,630	
MCAS Yuma, AZ	393	Tactical Support Van Pads	1,870	1,870	170
	396	Maintenance Hangars Additions	2,650	2,650	172
	407	Marine Air Control Squadron Facility	2,950	2,950	174
	408	Battalion Headquarters	0	2,050	176
	333	Armory	640	640	761
	403	Engine Maintenance Facility Modifications	300	300	761
	017	Construction Management Facility	450	450	761
		Subtotal	8,860	10,910	
TOTAL - COMMANDANT OF THE MARINE CORPS			259,850	261,900	

1. COMPONENT NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA

4. COMMAND COMMANDANT OF THE MARINE CORPS

5. AREA CONSTR COST INDEX 1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	1375	1327	1285	0	0	0	0	0	0	3987
b. END FY 19 91	1063	1156	1188	0	0	0	0	0	0	3407

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(21)
b. INVENTORY TOTAL AS OF 30 SEP 1985	18,700
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,020
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	9,600
h. GRAND TOTAL	31,320

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.43	Physical Fitness Center	21,000 SF	3,020	6-85	5-86
	TOTAL		3,020		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provide administrative support for: chargeable and attached Marine Corps personnel assigned within the Washington Metropolitan Area to Headquarters Marine Corps, other departments and agencies of the federal government and joint schools; not chargeable and attached to Marine Corps personnel assigned within the Washington Metropolitan Area to duty under instruction, awaiting separation and casuals who are either awaiting assignment or transportation, in a disciplinary status, or who are hospitalized; provide administrative use aircraft support for the Commandant of the Marine Corps and aircraft support for proficiency flying requirements; provide administrative use motor vehicle and traffic management (freight and household goods) advisory support for Headquarters Marine Corps; and provide Marine Corps security forces for the Navy Department in the Washington Metropolitan Area.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA	4. PROJECT TITLE PHYSICAL FITNESS CENTER

5. PROGRAM ELEMENT 9 12 96 M	6. CATEGORY CODE 740.43	7. PROJECT NUMBER P-003	8. PROJECT COST ($000) 3,020

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL FITNESS CENTER.	SF	21,000	86.00	1,810
SUPPORTING FACILITIES.	-	-	-	990
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(300)
PAVING & SITE IMPROVEMENT, DEMOLITION. . .	LS	-	-	(540)
SUBTOTAL	-	-	-	2,800
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,940
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,100
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,020
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame building, concrete foundation, concrete and wood floors, masonry walls, built-up roof, fire protection system, air conditioning, utilities; demolition of four buildings.

11. REQUIREMENT: 21,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 10,390 SF.

PROJECT: Constructs the Marine Corps portion only of a physical fitness center to be used by all military personnel assigned to the Military District of Washington, Henderson Hall, and the Navy Annex. This project covers the gymnasium at Henderson Hall. The Army has a companion project.

REQUIREMENT: Adequate facilities for a physical fitness center to improve and maintain the physical readiness of military personnel. Two buildings are required to be jointly used by the two district population centers they will serve. Personnel in all services in the immediate Washington area are eligible to use these facilities, but they have been sized according to the troop strength at Fort Myer, Henderson Hall, and the Navy Annex. The Henderson Hall facility will include a weight room and two handball courts, and will serve an immediate Henderson Hall and Navy Annex military personnel strength of 3,720. The population at Fort Myer is large enough to warrant a facility with a 25-meter indoor pool, eight handball courts, weight room, and a general exercise room with a basketball court. By combining the requirements of the two posts, cost saving trade-offs have been made, resulting in smaller facilities being built on both posts. This simultaneous programming enabled the services to save a combined 20,000 square feet of building space: Marine Corps 21,000 square foot scope vice

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA		
4. PROJECT TITLE PHYSICAL FITNESS CENTER		5. PROJECT NUMBER P-003

11. REQUIREMENT: (Continued)
authorized 31,000 square feet; Army 42,000 square foot scope vice authorized 52,000 square feet. The facilities as proposed will economize on land and effectively provide the year-round activities needed to maintain physical and mental readiness for military personnel and recreational activities for dependents.

CURRENT SITUATION: The Henderson Hall gymnasium is the only available athletic facility within a reasonable distance for use by Navy and Marine Corps personnel. Existing facilities are spread over the entire post, making maintenance and supervision extremely difficult. The women's locker room is in a building a quarter of a mile away from the main facility. Other facilities are totally inadequate. There are currently 700 available lockers with a demand for 1,500. The main gymnasium is old and sited on a flood water detention basin, causing it to flood periodically with up to four feet of standing water and sewage. This condition poses health threats and accelerates deterioration of an already unsatisfactory facility. Basketball courts are outdoors limiting their use to fair weather. The pool is open, and its use is restricted to 90 days a year.

IMPACT IF NOT PROVIDED: Personnel will continue to use private facilities or existing substandard inadequate facilities, adversely affecting moral and welfare. Personnel will be deprived of adequate physical fitness and recreational activities within proximity of billeting areas.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
  (a) Date Design Started............................ 6-85
  (b) Percent Complete as of January 1986............ 40
  (c) Percent Complete as of October 1986............ 100
  (d) Date Design Complete............................ 5-86
(2) Basis:
  (a) Standard or Definitive Design: Yes ___ No X
  (b) Where Design Was Most Recently Used: ______
(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  (a) Production of Plans and Specifications.........(130)
  (b) All Other Design Costs.........................(140)
  (c) Total.. 270
  (d) Contract.......................................(250)
  (e) In-house.......................................(20)
(4) Construction start........................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX 0.89

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	54	444	455	14	285	0	339	2134	163	3888
b. END FY 19 91	64	415	455	0	157	0	239	2264	146	3740

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(10,557)
b. INVENTORY TOTAL AS OF 30 SEP 1985	
c. AUTHORIZATION NOT YET IN INVENTORY	90,590
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,990
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,100
g. REMAINING DEFICIENCY	12,450
h. GRAND TOTAL	2,800
	125,330

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116.15	Aircraft Rinse Facility				
136.10	Runway Approach Lighting	LS	740	4-85	12-85
211.08	Fuel System Maint Facs	LS	960	7-85	5-86
214.20	Auto Vehicle Maint Shop	11,900 SF	1,370	5-85	6-86
872.15	Flight Line Security Imprs	LS	640	3-85	3-86
	TOTAL	LS	1,280	8-85	3-86
			4,990		

9. Future Projects:

a. Included in following program (FY 88):

211.01	Aircraft Acoustical Encl	8,230 SF	4,100
			4,100

b. Major planned next three years:

111.10	Runway Shoulders		
116.35	Aircraft Pads	39,820 SY	1,700
149.15	Aircraft Utility Support	23,100 SY	1,600
218.61	GSE Holding Shed	LS	7,800
		18,110 SF	1,350

10. Mission or Major Functions: Maintain and operate facilities and provide services and materiel to support operations of a Marine aircraft wing or units thereof and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

11. Outstanding pollution and safety deficiencies:

a. Air pollution:	($000)
b. Water pollution:	0
c. Occupational safety and health (OSH):	0
	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA	4. PROJECT TITLE FUEL SYSTEM MAINTENANCE FACILITIES

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 211.08	7. PROJECT NUMBER P-364	8. PROJECT COST ($000) 1,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL SYSTEM MAINTENANCE FACILITIES	SF	11,900	-	1,190
BUILDING	SF	11,900	61.00	(730)
BUILT-IN EQUIPMENT	LS	-	-	(460)
SUPPORTING FACILITIES.	-	-	-	80
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(80)
SUBTOTAL	-	-	-	1,270
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,330
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,400
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,370
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay steel frame building, concrete foundation and floor, masonry walls, built-up roof, filtered oil-free compressed air system, aircraft fueling and defueling system, fuel vapor detection system, foam fire protection system, mechanical ventilation, utilities.

11. REQUIREMENT: 23,570 SF. ADEQUATE: 0 SF. SUBSTANDARD: 11,210 SF.

PROJECT: Provides a complete fuel system maintenance facility specifically designed to perform maintenance on fuel cells of F/A-18 aircraft.

REQUIREMENT: Improve the fuel system reliability and decrease the mean-flight-hours between failure rate of the F/A-18 aircraft. One design feature of F/A-18 aircraft is the fuel system with associated plumbing located inside the fuel cells. Troubleshooting and maintenance of the fuel system requires several defueling and refueling actions. To safely and efficiently repair or replace defective fuel cells, a facility with a relatively dust-free environment and the capability to fuel and defuel the aircraft during the maintenance operation is necessary. The F/A-18 aircraft arrived at Beaufort in 1985.

CURRENT SITUATION: No facility exists with the features necessary to perform this function, nor is it feasible to modify an existing facility. The F/A-18 fuel system is being maintained by fleet personnel with assistance from manufacturing representatives for troubleshooting and the

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA

4. PROJECT TITLE
FUEL SYSTEM MAINTENANCE FACILITIES

5. PROJECT NUMBER
P-364

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
Naval Air Rework Facility field teams performing fuel cell removal and installation at NAS Lemoore and MCAS El Toro. This maintenance arrangement is both time consuming and inefficient.

IMPACT IF NOT PROVIDED: Maintenance procedures would be performed in the open on aircraft parking aprons risking contamination of fuel cells and potential long-range loss of aircraft and lives. The additional defueling and refueling requirement will overburden existing assets. Refueling trucks and personnel will continue working at maximum capacity on a round-the-clock basis. Additionally, the refuelers cannot deliver a reliable constant 55 psi pressure critical during troubleshooting.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................5-85
(b) Percent Complete as of January 1986............35
(c) Percent Complete as of October 1986............100
(d) Date Design Complete............................6-86

(2) Basis:
(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: ____

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(55)
(b) All Other Design Costs.........................(80)
(c) Total..(135)
(d) Contract.......................................(100)
(e) In-house.......................................(35)

(4) Construction start..........................11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA	4. PROJECT TITLE FLIGHT LINE SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 872.15	7. PROJECT NUMBER P-356	8. PROJECT COST ($000) 1,280

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLIGHT LINE SECURITY IMPROVEMENTS.	LS	-	-	1,090
SECURITY FENCING	LF	12,000	12.00	(140)
SECURITY LIGHTING.	LF	12,000	22.00	(270)
VEHICLE PARKING AREAS.	SY	13,000	15.00	(190)
SUPPORT FACILITIES FOR SECURITY SYSTEM . .	LS	-	-	(490)
SUPPORTING FACILITIES.	-	-	-	60
UTILITIES.	LS	-	-	(60)
SUBTOTAL	-	-	-	1,150
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,210
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,280
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,280
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Security fencing and lighting; support facilities for installation of intrusion detection system; utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides improved physical security for the flight line and related critical support activities.

REQUIREMENT: Adequate facilities to correct security deficiencies on the flight line and in facilities which directly support aircraft operations. Improved security around the flight line and fuel storage facilities to protect expensive aircraft and stored fuel and petroleum assets from terrorism and vandalism. Terrorism around the world is on the increase. Targets include US military installations, equipment, and personnel. Fencing is required to limit access to the flight line. Where fencing is not feasible, an intrusion detection system will be utilized.

CURRENT SITUATION: There are few physical barriers limiting access to the flight line. Approximately 85 very expensive Navy aircraft are parked on the unfenced flight line exposed to potential terrorist attack. No intrusion detection systems exist, and no identification and personnel movement control systems to limit access to the flight line and related supporting activities are employed. The station lacks an adequate security system necessary for the intrusion detection and access control of personnel to high security areas.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA

4. PROJECT TITLE FLIGHT LINE SECURITY IMPROVEMENTS	5. PROJECT NUMBER P-356

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: The flight line and related critical support activities will continue to be vulnerable to the potential threat of sabotage, espionage, pilferage, and vandalism. These actions will impact directly on the Fleet Marine Force operations. The assets involved are individually high-cost aircraft vital to the National Defense effort. Lead time to replace loss of these assets could seriously jeopardize Fleet Marine Force operations.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
  (a) Date Design Started.............................. 8-85
  (b) Percent Complete as of January 1986............ 60
  (c) Percent Complete as of October 1986............ 100
  (d) Date Design Complete.............................. 3-86

(2) Basis:
  (a) Standard or Definitive Design: Yes ___ No X
  (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  (a) Production of Plans and Specifications........ (55)
  (b) All Other Design Costs.......................... (45)
  (c) Total... 100
  (d) Contract.. (85)
  (e) In-house.. (15)

(4) Construction start.............................. 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX 0.86

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	245	2366	2438	76	3583	0	2228	27111	1512	39559
b. END FY 19 91	269	2386	2523	197	3308	0	1987	28790	1552	41012

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(87,380)
b. INVENTORY TOTAL AS OF 30 SEP 1985	488,140
c. AUTHORIZATION NOT YET IN INVENTORY	91,940
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	39,120
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	59,400
f. PLANNED IN NEXT THREE PROGRAM YEARS	125,720
g. REMAINING DEFICIENCY	65,100
h. GRAND TOTAL	869,420

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214.10	Combat Vehicle Maint Shop	29,350 SF	2,850	6-85	6-86
214.53	Field Maintenance Complex	60,500 SF	5,900	6-85	6-86
217.10	Elec & Comm Maint Shop	58,400 SF	4,610	6-85	6-86
610.72	Battalion Operations Fac	33,500 SF	3,250	6-85	6-86
721.11	Bachelor Enlisted Quarters	376,000 SF	17,700	6-85	9-86
722.10	Mess Hall	31,000 SF	4,810	6-85	6-86
	TOTAL		39,120		

9. Future Projects:

a. Included in following program (FY 88):

171.20	Mechanics School	24,420 SF	3,600
214.51	Automotive Orgn Shop	8,500 SF	10,500
610.10	Division Headquarters	60,440 SF	7,000
721.11	Bachelor Enlisted Quarters	553,730 SF	35,700
722.10	Mess Hall Addition	13,900 SF	2,600
			59,400

10. Mission or Major Functions: Provide housing, training facilities, logistics support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools for other training as directed.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	13,900
b. Water pollution:	2,400
c. Occupational safety and health (OSH):	1,050

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA				2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA			4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 214.10	7. PROJECT NUMBER P-027	8. PROJECT COST ($000) 2,850		

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT VEHICLE MAINTENANCE SHOP.				
BUILDING	SF	29,350	-	1,700
BUILT-IN EQUIPMENT	SF	29,350	48.00	(1,400)
SUPPORTING FACILITIES.	LS	-	-	(300)
SPECIAL CONSTRUCTION FEATURES.	-	-	-	950
UTILITIES.	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
SUBTOTAL	LS	-	-	(600)
CONTINGENCY (5%)	-	-	-	2,650
TOTAL CONTRACT COST.	-	-	-	130
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	2,780
TOTAL REQUEST.	-	-	-	150
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,930
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	-	2,850
	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete and masonry building, pile foundation, high-bay area, overhead doors, compressed air, 400 Hz electrical power, wash aprons with oil-water separators, hazardous flammable storage, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 181,980 SF. ADEQUATE: 44,580 SF. SUBSTANDARD: 9,920 SF.

PROJECT: Provides combined combat vehicle and electronics and communications maintenance shops for the Eighth Communications Battalion for first and second echelon maintenance on organic rolling stock and field communications equipment.

REQUIREMENT: Adequate shop facilities for the prescribed maintenance programs for 274 organic combat vehicles, including radio trucks, communications wire trucks, personnel carriers, and organic field communications equipment, both radio and wire. The Eighth Communications Battalion has the responsibility to provide and maintain communications within a Marine Amphibious Force theater of operation, including a Marine Division, Marine Air Wing, and a Force Service Support Group. The electronics and communications shop performs maintenance on 2,800 pieces of equipment.

CURRENT SITUATION: Maintenance programs are being performed in three scattered facilities. Some are small, substandard, 40 year-old buildings located in an industrial area two miles from the battalion's base of operations. These buildings cannot be made adequate because of low clear

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE
COMBAT VEHICLE MAINTENANCE SHOP

5. PROJECT NUMBER
P-827

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
height and a lack of common maintenance support features like hydraulic lifts, overhead craneways, compressed air, oil traps, environmental protection features, proper work benches and adequate lighting. These buildings are also used for the battalion's communications equipment maintenance program. A portion of another building is also shared.
IMPACT IF NOT PROVIDED: Work will continue in scattered substandard facilities causing prolonged maintenance efforts and an increase in inoperative equipment, adversely affecting combat readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 6-85
(b) Percent Complete as of January 1986............ 60
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete............................ 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (140)
(b) All Other Design Costs.......................... (55)
(c) Total.. 195
(d) Contract... (175)
(e) In-house... (20)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS BASE,
CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE
FIELD MAINTENANCE COMPLEX

5. PROGRAM ELEMENT
2 64 96 M

6. CATEGORY CODE
214.53

7. PROJECT NUMBER
P-257

8. PROJECT COST ($000)
5,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIELD MAINTENANCE COMPLEX.	SF	60,500	-	3,550
BUILDING	SF	53,000	54.00	(2,850)
VEHICLE INSPECTION STATION	SF	7,500	60.00	(450)
WASH APRON	LS	-	-	(50)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	1,940
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(200)
UTILITIES.	LS	-	-	(640)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,100)
SUBTOTAL	-	-	-	5,490
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST.	-	-	-	5,760
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	320
TOTAL REQUEST.	-	-	-	6,080
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story maintenance shop, pile foundation, concrete floor, masonry walls, built-up roof, compressed air, engine exhaust system, bridge crane; one-story vehicle inspection station, pile foundation, concrete floor, masonry walls, built-up roof, lube dispensing equipment, engine exhaust system; concrete surfaced roadway for post maintenance testing of tanks and tracked vehicles; concrete hardstand; wash apron; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 442,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 159,400 SF.

PROJECT: Constructs a field maintenance facility to perform third and fourth echelon maintenance and repair on all east coast Fleet Marine Force ground equipment. This equipment includes wheel and track vehicles, artillery and tank weaponry, heavy equipment, and communication and electronics equipment.

REQUIREMENT: The 2nd Maintenance Battalion has been tasked to perform field maintenance on all east coast ground equipment, including the 2nd Marine Division located at Camp Lejeune, and the 2d Marine Air Wing with elements located in three areas, Cherry Point, New River, and Beaufort. This project provides adequate facilities for the motor transport field maintenance portion of the facility. Three subsequent projects will be necessary for ordnance, tracked vehicles, and communication electronics field maintenance and are planned in Fiscal Years 1988, 1989, and 1990, respectively.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA		
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX		5. PROJECT NUMBER P-257

11. REQUIREMENT: (Continued)
CURRENT SITUATION: The 2nd Maintenance Battalion performs field maintenance in four converted warehouses, a 40 year-old maintenance depot, and a small metal building. These facilities are scattered throughout an industrial area. Motor transport maintenance is performed in an open-bay facility not designed for today's modern equipment. Staging areas for equipment to be repaired are also scattered throughout the industrial area. Makeshift, substitute work spaces cause cumbersome and uncoordinated work efforts, severely hampering the battalion's mission.
IMPACT IF NOT PROVIDED: The length of time equipment is inoperative will remain adversely affected and maintenance capability will continue to be impaired. This will result in an adverse effect on the combat readiness of the Fleet Marine Force.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 6-85
(b) Percent Complete as of January 1986........... 60
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (250)
(b) All Other Design Costs.......................... (90)
(c) Total.. 340
(d) Contract... (320)
(e) In-house... (20)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 97 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE ELECTRONICS AND COMMUNICATIONS MAINTENANCE SHOP

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 217.10	7. PROJECT NUMBER P-643	8. PROJECT COST ($000) 4,610

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS & COMMUNICATIONS MAINTENANCE SHOP	SF	58,400	-	3,350
BUILDING	SF	58,400	55.00	(3,200)
BUILT-IN EQUIPMENT	LS	-	-	(150)
SUPPORTING FACILITIES.	-	-	-	900
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(150)
UTILITIES.	LS	-	-	(350)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(400)
SUBTOTAL	-	-	-	4,250
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST.	-	-	-	4,450
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	250
TOTAL REQUEST.	-	-	-	4,700
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,610
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One and two-story reinforced concrete and masonry building, pile foundation, concrete floors, built-up roof, high-bay areas, 400 Hz electric power, compressed air, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 175,080 SF. ADEQUATE: 2,350 SF. SUBSTANDARD: 75,500 SF.
PROJECT: Provides communications and electronics and combat vehicle maintenance facilities for the 6th Marine Regiment to perform first and second echelon maintenance on organic communications gear and rolling stock.
REQUIREMENT: Adequately designed and properly environmentally controlled work space to maintain electronics and communications equipment in a state of operational readiness, and combat vehicle maintenance shop facilities to accommodate the prescribed maintenance programs. Over 280 personnel are involved in this effort, and they operate and maintain more than 3,500. pieces of sophisticated communications equipment, 107 radio mounted vehicles, and 335 pieces of combat motor vehicles and support rolling stock.
CURRENT SITUATION: Equipment is maintained in small, substandard, inadequate, 40 year-old, wooden buildings in the industrial area. These are scattered throughout the regimental area and lack vehicle maintenance bays, proper ceiling height, environmental protection, and utilities.
IMPACT IF NOT PROVIDED: Maintenance efforts will continue in scattered substandard facilities causing prolonged uncoordinated maintenance efforts with a resulting increase in inoperative equipment, and an adverse effect on combat readiness.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA		
4. PROJECT TITLE ELECTRONICS AND COMMUNICATIONS MAINTENANCE SHOP		5. PROJECT NUMBER P-643

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
  (a) Date Design Started.............................. 6-85
  (b) Percent Complete as of January 1986............ 55
  (c) Percent Complete as of October 1986............ 100
  (d) Date Design Complete.............................. 6-86

(2) Basis:
  (a) Standard or Definitive Design: Yes___ No_X_
  (b) Where Design Was Most Recently Used: __________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  (a) Production of Plans and Specifications........(140)
  (b) All Other Design Costs..........................(40)
  (c) Total.. 180
  (d) Contract..(160)
  (e) In-house..(20)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE BATTALION OPERATIONS FACILITY

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 610.72	7. PROJECT NUMBER P-031	8. PROJECT COST ($000) 3,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BATTALION OPERATIONS FACILITY.	SF	33,500	-	2,150
BUILDING	SF	28,100	62.00	(1,750)
BUILDING ADDITION.	SF	5,400	74.00	(400)
SUPPORTING FACILITIES.	-	-	-	800
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(100)
UTILITIES.	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT	LS	-	-	(400)
SUBTOTAL	-	-	-	2,950
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,100
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,270
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,250
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete frame building, pile foundation, concrete floors, masonry walls, built-up roof; building addition to match existing; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 70,900 SF. ADEQUATE: 37,400 SF. SUBSTANDARD: 1,320 SF.

PROJECT: Provides battalion headquarters space for several battalions in the French Creek area.

REQUIREMENT: Adequate working areas and functional space in a headquarters building located in the proximity of the operations functions, eliminating logistics and control problems. These battalions have the responsibility to manage and support 5,000 Marines who provide combat and service support to the 2nd Marine Amphibious Forces composed of all east coast combat commands.

CURRENT SITUATION: All elements of the 2d Support Group are billeted, work, and train in the French Creek area, although less than half the battalion headquarters space is located in that area. The management staff is disbursed throughout the base area, in make-shift facilities, over three miles from the Marines they supervise. Maintenance and supply battalions occupy warehouses in the industrial area.

IMPACT IF NOT PROVIDED: Battalion commanders and their staffs will continue to be separated from their commands with resulting inefficiency in carrying out their training programs and work assignments in the execution

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE
BATTALION OPERATIONS FACILITY

5. PROJECT NUMBER
P-031

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

of their assigned mission. Valuable billeting and warehouse spaces will continue to be sacrificed for administrative and command functions. Adverse effect on morale and mission accomplishment.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 6-85
(b) Percent Complete as of January 1986........... 60
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(170)
(b) All Other Design Costs..........................(70)
(c) Total.. 240
(d) Contract..(225)
(e) In-house..(15)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-627	8. PROJECT COST ($000) 17,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	376,000	-	13,550
BUILDING	SF	243,000	44.00	(10,700)
BUILDING CONVERSION	SF	133,000	15.00	(2,000)
RECREATIONAL FIELDS	LS	-	-	(250)
MECHANICAL EQUIPMENT BUILDING	LS	-	-	(600)
SUPPORTING FACILITIES.	-	-	-	2,700
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(500)
UTILITIES.	LS	-	-	(1,400)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(800)
SUBTOTAL	-	-	-	16,250
CONTINGENCY (5%)	-	-	-	810
TOTAL CONTRACT COST.	-	-	-	17,060
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	930
TOTAL REQUEST.	-	-	-	17,990
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	17,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Five three-story reinforced concrete frame buildings, pile foundations, concrete floors, masonry walls, built-up roof, fire protection system, air conditioning, utilities; three recreational fields; relocate salvaged air condition systems to existing facilities; convert five buildings to administrative offices; 300 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending; demolition of buildings.

Grade mix: 1,000 E1-E4, 60 E5, 20 E6-E9. Total: 1,080.

11. REQUIREMENT: 22,900 PN. ADEQUATE: 13,292 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for enlisted personnel of the 2d Marine Division.

REQUIREMENT: Adequate housing for 1,080 enlisted personnel in grades E1-E9. This is the eighth increment of 11 increments planned to satisfy the deficiency at Camp Lejeune.

CURRENT SITUATION: Forty-two percent of the single enlisted Marines at Camp Lejeune are billeted in substandard quarters that do not meet DOD habitability requirements. The division billeting area was comprised of 40 year-old, open-squad-bay barracks with communal heads and showers. A replacement program began in 1978 with the construction of three to six enlisted quarters buildings each year.

IMPACT IF NOT PROVIDED: Adequate billeting will not be available. Enlisted Marines will continue to live in inadequate 40 year-old, open-squad-bay barracks with a detrimental impact on morale and the Marine Corps' ability to retain trained Marines in an all volunteer service force.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-627

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 6-85
- (b) Percent Complete as of January 1986............ 55
- (c) Percent Complete as of October 1986............ 100
- (d) Date Design Complete.............................. 9-86

(2) Basis:
- (a) Standard or Definitive Design: Yes X No ____
- (b) Where Design Was Most Recently Used: Site Adaptation, FY 1986 BEQ, MCB Camp Lejeune.

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications..........(270)
- (b) All Other Design Costs..............................(140)
- (c) Total.. 410
- (d) Contract..(360)
- (e) In-house..(50)

(4) Construction start............................ 2-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE MESS HALL	

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 722.10	7. PROJECT NUMBER P-663	8. PROJECT COST ($000) 4,810

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL.	SF	31,000	-	3,750
BUILDING	SF	31,000	100.00	(3,100)
BUILT-IN EQUIPMENT	LS	-	-	(650)
SUPPORTING FACILITIES.	-	-	-	700
UTILITIES.	LS	-	-	(400)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(300)
SUBTOTAL	-	-	-	4,450
CONTINGENCY (5%)	-	-	-	220
TOTAL CONTRACT COST.	-	-	-	4,670
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	260
TOTAL REQUEST.	-	-	-	4,930
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,810
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 31,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a centrally-located, consolidated mess hall, with a fast food service area, for the Marine Corps Service Support Schools and the Navy Field Medical School.

REQUIREMENT: Adequate food preparation and serving facilities in the Montford Point area to accommodate an enlisted student loading of 2,213 and a staff of 305 enlisted personnel. The Marine Corps Service Support Schools and the Navy Field Medical School are located at Camp Johnson, an isolated camp on the north border of Camp Lejeune. The formal schools are mechanics school, staff NCO school, driver training school, personnel administrative school, food services school, administrative schools, and a Navy field medical school. The facility will be utilized 18 hours a day, seven days a week.

CURRENT SITUATION: Food preparation and serving of meals is conducted in two 40-year old facilities. An applied instruction building where the noon meal was transported to personnel in a remote area was recently declared unsanitary, further aggravating the feeding situation. The main mess hall is overcrowded and overtaxed, with prolonged serving times, as much as a two hour wait. This facility will be converted into a food service school. A subordinate mess hall will be converted into an applied instruction building.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE MESS HALL	5. PROJECT NUMBER P-663

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Prolonged serving times will continue, cutting into valuable training time and taxing resources. The transporting of meals will continue to be an expensive burden.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 6-85
- (b) Percent Complete as of January 1986........... 55
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (195)
- (b) All Other Design Costs......................... (65)
- (c) Total.. 260
- (d) Contract....................................... (240)
- (e) In-house....................................... (20)

(4) Construction start......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX 1.18

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	0	0	0	0	0	0	0	0	0	0
b. END FY 19 91	5	106	2	62	0	72	400	2572	0	3219

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of MCB
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	28,360
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,410
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,930
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,050
g. REMAINING DEFICIENCY	25,990
h. GRAND TOTAL	72,740

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116.55	Ordnance Handling Pad	28,830 SY	3,040	8-85	10-86
141.40	Acft Ops Bldg & Control Tower	12,720 SF	2,160	8-85	10-86
171.20	Acft Maintenance Trng Bldgs	6,510 SF	1,080	8-85	10-86
211.81	Engine Test Cell	LS	3,240	3-85	8-86
217.10	Elec & Comm Maintenance Shop	LS	350	8-84	3-86
179.50	Oil Spill Prevention	LS	540	9-85	6-86
	TOTAL		10,410		

9. Future Projects:

a. Included in following program (FY 88):

116.15	Aircraft Rinse Facility	910 SY	420
143.40	Alert Force Building	LS	280
214.30	Refueling Vehicle Shop	2,520 SY	350
441.12	Aviation Supply Facility	62,000 SF	3,300
441.30	Hazardous Flam Storehouse	9,190 SY	580
851.10	Roads and Parking	94,900 SY	2,000
			6,930

10. Mission or Major Functions: As a key component of the Commander, Marine Corps Air Bases, West, provides airfield facilities and material to support operations of the third Marine Aircraft Wing Unit.

Marine Air Group 39

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE ORDNANCE HANDLING PAD

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 116.55	7. PROJECT NUMBER P-338	8. PROJECT COST ($000) 3,040

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ORDNANCE HANDLING PAD.	SY	28,830	-	1,940
HANDLING PAD	SY	15,000	65.00	(980)
ARMING AND DEARMING PADS	SY	8,000	69.00	(550)
ASSEMBLY AREA.	SY	5,830	31.00	(180)
INERT STOREHOUSE	SF	5,000	40.00	(200)
READY MAGAZINE	SF	240	125.00	(30)
SUPPORTING FACILITIES.	-	-	-	890
UTILITIES.	LS	-	-	(180)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(710)
SUBTOTAL	-	-	-	2,830
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,970
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,130
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,040
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Portland cement concrete pads and taxiways; asphaltic concrete assembly area; steel frame and siding inert storehouse building; reinforced concrete earth-covered magazine; security fencing and lighting; fire protection system, utilities.

11. REQUIREMENT: 28,830 SY. ADEQUATE: 0 SY. SUBSTANDARD: 0 SY.

PROJECT: Provides ordnance facilities including handling pad, taxiways, assembly area, inert storehouse, arming and dearming pads, and a ready magazine.

REQUIREMENT: Adequate ordnance facilities to support aircraft operations. Facilities will be sited away from inhabited buildings. Ordnance operations require space for loading aircraft and facilities to accommodate the Tube-Launched Optically Tracked Wire Commanded (TOW) missile.

CURRENT SITUATION: Ordnance is assembled on an unpaved area and loaded on aircraft under a waiver in an area which violates quantity distance criteria. Ordnance is received daily from MCB Camp Pendleton and temporarily stored in portable lockers. Inert items are stored outside or in tents. To meet training requirements, ordnance operations are being conducted at other air stations, incurring travel expenses and adding to already crowded facilities.

IMPACT IF NOT PROVIDED: Operational readiness will be adversely affected by lack of adequate facilities and explosive safety waivers will not be eliminated. Inert items will continue to deteriorate because of inadequate

(Continued on DD 1391c)

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1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE
ORDNANCE HANDLING PAD

5. PROJECT NUMBER
P-338

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
storage facilities. Ordnance stored in portable lockers will be vulnerable to security and explosives hazards. Lack of good operating facilities will adversely affect morale and safety. Aircraft ordnance operations will continue to be hindered.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 8-85
(b) Percent Complete as of January 1986.......... 35
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(140)
(b) All Other Design Costs.........................(80)
(c) Total.. 220
(d) Contract.. 190)
(e) In-house..(30)

(4) Construction start.......................... 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE AIRCRAFT OPERATIONS BUILDING AND CONTROL TOWER

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 141.40	7. PROJECT NUMBER P-235	8. PROJECT COST ($000) 2,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT OPERATIONS BLDG & CONTROL TOWER . .	SF	12,720	-	1,550
OPERATIONS AREA.	SF	9,760	95.00	(930)
TOWER AREA	SF	2,960	210.00	(620)
SUPPORTING FACILITIES.	-	-	-	420
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(30)
UTILITIES.	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(240)
SUBTOTAL	-	-	-	1,970
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,070
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	110
TOTAL REQUEST.	-	-	-	2,180
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,160
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story masonry load-bearing wall building and six-story tower, concrete foundations and floors, built-up and metal roofs, sound attenuation, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 12,720 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs aircraft operations and control tower facilities.

REQUIREMENT: Adequate and centralized facility for pilot briefing, flight planning, and administration of aircraft operations. Control tower to have unobstructed view of aircraft ground and air operations.

CURRENT SITUATION: Control tower and operations building are inadequate in size and do not have full view of existing taxiway and parking apron. The number of flight operations have increased to nearly 200,000 per year. Aircraft operations near the refueling pits are obscured. Facilities are overcrowded, adversely affecting traffic control. To help mitigate some of these visibility problems, a closed-circuit television system is being installed to give minimal visibility of operating areas on an interim basis.

IMPACT IF NOT PROVIDED: Ground operations on parts of the air facility will continue to be unseen, resulting in a potential safety hazard. Personnel will continue to operate out of crowded undersized facilities. Existing situation will magnify problems as operations continue to increase.

(Continued on DD 1391c)

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1. COMPONENT		2. DATE
NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT OPERATIONS BUILDING AND CONTROL TOWER	P-235

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started........................... 8-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(115)
- (b) All Other Design Costs........................(75)
- (c) Total... 190
- (d) Contract......................................(160)
- (e) In-house......................................(30)

(4) Construction start........................ 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE AIRCRAFT MAINTENANCE TRAINING BUILDINGS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 64 96 M	171.20	P-357	1,080

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE TRAINING BUILDINGS. . .	SF	6,510	-	800
BUILDING	SF	6,510	95.00	(620)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES.	-	-	-	180
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(180)
SUBTOTAL	-	-	-	980
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,030
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	60
TOTAL REQUEST.	-	-	-	1,090
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,080
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story building, concrete foundation and floor, masonry load-bearing walls, metal roof, high-bay areas, sound attenuation, overhead crane; fire protection system, air conditioning, mechanical ventilation, utilities.

11. REQUIREMENT: 35,850 SF. ADEQUATE: 29,340 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides facilities to support maintenance training requirements.

REQUIREMENT: Adequate facilities for 2,200 mechanic and aviator students trained annually by the Naval Air Maintenance Training Detachment. This student loading is growing at the rate of 15% per year.

CURRENT SITUATION: This activity provides both primary and advanced training for mechanics and pilots of the AH-1J/T, UG-1N and OV-10 aircraft. Present facilities are inadequate in size and configuration. Trailers are currently being used to fill the deficiency; however, they are expensive and not suitable for long-term use.

IMPACT IF NOT PROVIDED: Inability of this unit to meet its training load reduces the number of fully trained pilots and mechanics available to operational squadrons. This reduces both operational and material readiness.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE TRAINING BUILDINGS		5. PROJECT NUMBER P-357

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 8-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (115)
- (b) All Other Design Costs........................ (50)
- (c) Total.. 165
- (d) Contract...................................... (135)
- (e) In-house...................................... (30)

(4) Construction start......................... 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3915

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR STATION,
CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE
ENGINE TEST CELL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 64 96 M	211.81	P-525	3,240

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINE TEST CELL	LS	-	-	2,670
TEST CELLS AND SUPPORT SPACE	SF	6,300	405.00	(2,550)
TECHNICAL OPERATING MANUALS.	LS	-	-	(120)
SUPPORTING FACILITIES.	LS	-	-	330
UTILITIES.	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	-	-	-	(210)
SUBTOTAL	-	-	-	3,000
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,150
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,320
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,240
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two engine enclosure structures including acoustically treated air intake and exhaust systems, control and equipment rooms, fuel system, concrete foundations and floors, fire protection system, utilities.

11. REQUIREMENT: 6,300 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides engine testing facility for testing the T-400/402, T-700 turbo shaft, and the T-76 turbo-prop engines.

REQUIREMENT: Adequate facilities to conduct out-of-airframe testing and evaluation of aircraft engines after being rebuilt. An enclosed acoustically-treated facility to prevent high level noise exposure to operators and base personnel, and bachelor quarters located within a mile of the testing area. The facility will eliminate foreign object damage to engines during testing. Project will support maintenance for seven squadrons with 127 aircraft, representing four engine types.

CURRENT SITUATION: Testing is currently performed using portable, expeditionary, open-air test units on a dirt surfaced testing area, adjacent to the runway. No hard surface roads or utilities exist at this site. Testing is limited to daylight, fair weather days. Other equipment and test cell configurations were evaluated and found to be inadequate for Marine Corps needs.

IMPACT IF NOT PROVIDED: Post maintenance testing of engines will continue to be conducted in an inadequate test facility.

(Continued on DD 1391c)

U.S. Government Printing Office: 1984-[illegible]

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE
ENGINE TEST CELL

5. PROJECT NUMBER
P-525

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 3-85
(b) Percent Complete as of January 1986.......... 35
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete.......................... 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(115)
(b) All Other Design Costs........................(60)
(c) Total.. 175
(d) Contract......................................(150)
(e) In-house......................................(25)

(4) Construction start........................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR. COST INDEX 1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	220	2405	2149	74	3218	0	1686	22198	1471	33421
b. END FY 19 91	349	2797	2008	92	3832	0	1901	26064	2092	39135

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(186,076)
b. INVENTORY TOTAL AS OF 30 SEP 1985	362,120
c. AUTHORIZATION NOT YET IN INVENTORY	116,720
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	37,140
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	55,850
f. PLANNED IN NEXT THREE PROGRAM YEARS	169,510
g. REMAINING DEFICIENCY	90,460
h. GRAND TOTAL	831,800

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.10	Training Support Center	43,200 SF	5,500	12-84	6-86
211.75	Para & Survival Equip Shop	20,240 SF	2,160	8-84	7-86
214.10	Combat Vehicle Maint Shop	29,410 SF	4,320	7-85	7-86
441.12	Comms Supp Storehouse	39,660 SF	2,650	7-85	6-86
610.72	Battalion Operations Center	8,450 SF	1,080	7-85	6-86
721.11	Bachelor Enlisted Quarters	133,080 SF	12,300	9-85	3-86
722.10	Mess Hall Addns & Modns	64,550 SF	5,100	8-85	9-86
740.43	Physical Fitness Center	21,000 SF	2,850	7-85	6-86
871.11	Oil Spill Prevention	LS	1,180	11-85	10-86
	TOTAL		7,140		

9. Future Projects:

a. Included in following program (FY 88):

123.10	Filling Stations	7 EA	1,680
171.10	Division School	25,120 SF	3,100
171.20	Light Arm Asslt Veh Trng Facs	70,950 SF	7,500
179.45	Anti-insurgent Training Fac	LS	1,500
214.51	Tactical Vehicle Maint Fac	37,900 SF	8,900
214.51	Tactical Vehicle Maint Fac	28,920 SF	5,500
441.12	Marine Air Support Complex	56,830 SF	6,170
721.11	Bachelor Enlisted Quarters	230,280 SF	16,800
730.20	Provost Marshal Headquarters	21,180 SF	4,700
			55,850

10. Mission or Major Functions: Provide housing, training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools and other training as directed. Organize and train replacement units for deployment overseas as directed. Provide logistical support for other Marine Corps activities as directed.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	220

1. COMPONENT NAVY	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE TRAINING SUPPORT CENTER

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 171.10	7. PROJECT NUMBER P-356	8. PROJECT COST ($000) 5,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRAINING SUPPORT CENTER.	SF	43,200	-	4,270
BUILDING	SF	43,200	80.00	(3,460)
BUILDING ALTERATIONS AND IMPROVEMENTS. . .	LS	-	-	(370)
BUILT-IN EQUIPMENT	LS	-	-	(440)
SUPPORTING FACILITIES.	-	-	-	820
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(90)
ELECTRICAL UTILITIES	LS	-	-	(270)
MECHANICAL UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(320)
SUBTOTAL	-	-	-	5,090
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST.	-	-	-	5,340
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	290
TOTAL REQUEST.	-	-	-	5,630
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, engineered fill, concrete foundation and floor, built-up roof, sound, TV, and photographic studio and processing rooms, chemical mixing and environmentally-controlled rooms; building modernization; pad for four vans; energy monitoring and control system, fire protection system, air conditioning, utilities; demolition of three buildings.

11. REQUIREMENT: 344,860 SF. ADEQUATE: 1,660 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs an audiovisual training support facility.

REQUIREMENT: Adequate tactical and technical training support facility for the First Marine Division, MCB Camp Pendleton, and Marine Aircraft Group-39, plus training support for the 8th, 9th, and 12th Marine Corps Districts. Activity supports approximately 40,000 Marines. During 1985, they have produced 51 training video tapes and films, nine additional projects remain in production and one was identified for Marine Corps-wide application. Seventy percent of the projects undertaken require controlled studio conditions for production. The topics cover such technical areas and military topics as aerial delivery operations, military operations review, ammunition familiarization, drug and substance abuse, helicopter instruction training, skill tapes, and general military subjects. The ability to produce training tapes in the local command ensures responsiveness to need, quality of training, reduced time to train, and

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE TRAINING SUPPORT CENTER	5. PROJECT NUMBER P-356

11. REQUIREMENT: (Continued)
aids in maintaining skill proficiency level of all Marines. In addition to multi-media support of training, this activity provides maintenance, storage, issue and instruction on MILES (Multi-Integrated LASER Engagement System, an individual Marine combat simulation device), a tactical instruction area for use of TACWAR (a small unit leaders combat engagement simulation trainer), classroom and auditorium facilities, and storage and maintenance for all audiovisual equipment used at Camp Pendleton.
CURRENT SITUATION: Modified 40 year-old facilities designed as messing and parachute maintenance are utilized for the highly specialized work of making both black and white and color audiovisual products. Facilities are located in heavily populated, traveled, and noisy areas. Sound production can only be completed at night, making overtime a constant necessity. Building floors were not designed for camera moves required in scripts, and tremendous heat build-up on stage during filming damages sensitive television cameras and related electronics equipment. Work spaces are cramped and without ventilation required for chemical mixing. No area is available to store and use TACWAR. The MILES equipment is stored in a dilapidated building. Most of the current facilities are unsuitable for such utilization and three are scheduled for demolition.
IMPACT IF NOT PROVIDED: Accelerated deterioration of expensive technical equipment and wasted manhours from dispersed and inadequately designed facilities. Potential injury and loss of life in the event of fire. Quality of training services rendered will continue to be impaired by the technically inefficient facility.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 12-84
(b) Percent Complete as of January 1986.......... 40
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete.......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: ____________

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA		
4. PROJECT TITLE TRAINING SUPPORT CENTER		5. PROJECT NUMBER P-356

12. SUPPLEMENTAL DATA: (Continued)

(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications........	(125)
(b)	All Other Design Costs........................	(130)
(c)	Total..	255
(d)	Contract.....................................	(240)
(e)	In-house.....................................	(15)
(4)	Construction start........................	1-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3916

1. COMPONENT NAVY	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE PARACHUTE AND SURVIVAL EQUIPMENT SHOP

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 211.75	7. PROJECT NUMBER P-906	8. PROJECT COST ($000) 2,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PARACHUTE AND SURVIVAL EQUIPMENT SHOP. . . .	SF	20,240	81.00	1,640
SUPPORTING FACILITIES.	-	-	-	350
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(300)
SUBTOTAL	-	-	-	1,990
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,090
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,210
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,160
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof; 55-foot high metal parachute drying tower; fire protection system, mechanical ventilation, utilities; energy monitoring and control system.

11. REQUIREMENT: 60,590 SF. ADEQUATE: 40,350 SF. SUBSTANDARD: 500 SF.

PROJECT: Provides storage and parachute drying facilities for the reconnaissance battalion.

REQUIREMENT: Adequate facilities for storage of organic supplies and parachute maintenance.

CURRENT SITUATION: The reconnaissance battalion is housed in 30 to 40-year-old facilities constructed for other uses. The battalion is scheduled for relocation to an area with no available organic storage and parachute facilities. Parachute drying facilities are mandatory to prevent molding and weakening of the material and subsequently endangering the life of personnel. This function cannot be performed outdoors because exposure to ultraviolet rays causes severe deterioration of the parachutes.

IMPACT IF NOT PROVIDED: Continued occupancy of these inadequate, substandard, and inefficient facilities for operational requirements are detrimental to morale and will have an adverse affect on mission accomplishment and combat readiness. Continued residence in the existing area is jeopardized by potential major damage to and failure of the antiquated utility systems because of natural flood disasters and the advance state of deterioration.

(Continued on DD 1391c)

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
PARACHUTE AND SURVIVAL EQUIPMENT SHOP	P-906

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................. 8-84
- (b) Percent Complete as of January 1986........... 40
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 7-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No_X_
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(135)
- (b) All Other Design Costs........................(140)
- (c) Total... 275
- (d) Contract......................................(245)
- (e) In-house......................................(30)

(4) Construction start......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 214.10	7. PROJECT NUMBER P-688	8. PROJECT COST ($000) 4,320

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT VEHICLE MAINTENANCE SHOP.	SF	29,410	-	2,820
BUILDING	SF	29,410	81.00	(2,380
BUILDINGS ALTERATIONS.	LS	-	-	(350)
BUILT-IN EQUIPMENT	LS	-	-	(90)
SUPPORTING FACILITIES.	-	-	-	1,130
UTILITIES.	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(1,000)
SUBTOTAL	-	-	-	3,950
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST.	-	-	-	4,150
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,380
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,320
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, grease racks, high-bay maintenance and repair stalls, 400 Hz converter, vault with shielding, wash pads, energy monitoring and control system, fire protection system, air conditioning, utilities; modifications in three buildings; demolition of six buildings, removal of underground fuel tanks and contaminated soil.

11. REQUIREMENT: 161,280 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs facilities and shops for maintenance and repair of vehicles and electronic equipment for the Communication Battalion and Marine Amphibious Brigade and Marine Amphibious Unit.

REQUIREMENT: Adequate repair and maintenance facilities to accommodate prescribed maintenance programs for assigned vehicles and electronic equipment. The battalion consists of 544 personnel, and the brigade and unit combined have 190 personnel supporting 350 organic vehicles and various electronic equipment. These are new units assigned to this activity.

CURRENT SITUATION: The existing motor park is a complex of 40 year-old metal buildings and sheds, with minimum indoor work space. Vehicle parking areas accommodate only a portion of the requirement. This complex is inadequate in size, configuration, and condition for the increased mission.

IMPACT IF NOT PROVIDED: Facilities will not exist to fully accommodate the new units. Equipment maintenance operations will be done outdoors during

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA		
4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP		5. PROJECT NUMBER P-688

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)
all types of weather. Aside from inherent inefficiency, this condition will severely affect the maintenance effort and adversely impact on combat readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started........................... 7-85
- (b) Percent Complete as of January 1986........... 40
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 7-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(80)
- (b) All Other Design Costs........................(85)
- (c) Total.. 165
- (d) Contract.....................................(155)
- (e) In-house.....................................(10)

(4) Construction start......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS BASE,
CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE
COMMUNICATIONS SUPPORT STOREHOUSE

5. PROGRAM ELEMENT
2 64 96 M

6. CATEGORY CODE
441.12

7. PROJECT NUMBER
P-690

8. PROJECT COST ($000)
2,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATIONS SUPPORT STOREHOUSE.	SF	39,660	50.00	1,980
SUPPORTING FACILITIES.	-	-	-	470
ELECTRICAL UTILITIES	LS	-	-	(170)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(170)
SUBTOTAL	-	-	-	2,450
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,570
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	140
TOTAL REQUEST.	-	-	-	2,710
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One single-story high-bay reinforced concrete and masonry building, concrete foundation and floor, built-up roof, 16-foot clear stacking height, armory space, fire protection system, energy monitoring and control system, utilities; security alarm, loading dock; demolition of two buildings, removal of underground fuel tanks and contaminated soil.

11. REQUIREMENT: 278,060 SF. ADEQUATE: 1,660 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a facility with administrative offices and an armory to support a communications battalion, a marine amphibious brigade (MAB), and a marine amphibious unit (MAU).

REQUIREMENT: Adequate secure storage to properly maintain organic supplies and equipment. The addition of a MAB and a MAU have placed a new mission requirement on the base. The new units have added over 740 personnel plus associated organic supplies, equipment, and weapons.

CURRENT SITUATION: No adequate facilities exist to support the mission requirements associated with the new MAU and MAB.

IMPACT IF NOT PROVIDED: Storage of essential communications equipment will be fragmented and accommodated in make-shift substandard space or by using outdoor storage. Equipment maintenance operations will be performed outdoors and fragmented to various locations. This situation will adversely affect the maintenance effort and impact on combat readiness.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA		
4. PROJECT TITLE COMMUNICATIONS SUPPORT STOREHOUSE		5. PROJECT NUMBER P-690

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 7-85
- (b) Percent Complete as of January 1986........... 40
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(65)
- (b) All Other Design Costs..........................(70)
- (c) Total... 135
- (d) Contract..(125)
- (e) In-house..(10)

(4) Construction start........................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19_87_ MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE BATTALION OPERATIONS CENTER

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 610.72	7. PROJECT NUMBER P-689	8. PROJECT COST ($000) 1,080

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BATTALION OPERATIONS CENTER.	SF	8,450	90.00	760
SUPPORTING FACILITIES.	-	-	-	230
UTILITIES, PAVING & SITE IMPR, DEMOLITION.	LS	-	-	(230)
SUBTOTAL	-	-	-	990
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,040
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	60
TOTAL REQUEST.	-	-	-	1,100
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,080
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, fire protection system, utilities, energy monitoring and control system; demolition of one building and removal of underground fuel tanks and contaminated soil as required.

11. REQUIREMENT: _40,910_ SF. ADEQUATE: _0_ SF. SUBSTANDARD: _0_ SF.

PROJECT: Constructs an operations building to support a communications battalion.

REQUIREMENT: Adequate facilities to accommodate the operational needs of a Communications Battalion Staff and provide operational command and control for 560 officers and enlisted personnel.

CURRENT SITUATION: The communications battalion is a new mission on this base, and there are no adequate facilities to accommodate this mission. Interim accommodations are being provided at three locations in substandard wood-frame buildings originally constructed for other uses. These buildings are located away from area billeting facilities and the operational area. This separation hampers effective coordination and communications within the battalion, is inefficient, and complicates command and control and staff liaison.

IMPACT IF NOT PROVIDED: The increased mission assignment must continue being housed in interim accommodations with inherent inefficiencies and complications adversely impacting on battalion productivity, proficiency and combat readiness.

(Continued on DD 1391c)

U.S. Government Printing Office: 1984—700-612/17914

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE BATTALION OPERATIONS CENTER	5. PROJECT NUMBER P-689

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................7-85
- (b) Percent Complete as of January 1986............40
- (c) Percent Complete as of October 1986............100
- (d) Date Design Complete............................6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications.........(25)
- (b) All Other Design Costs.........................(40)
- (c) Total...(40)
- (d) Contract.......................................65
- (e) In-house.......................................(60)
- (5)

(4) Construction start.........................12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c S/N 0102-LF-001-3915 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA		4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	
5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-905	8. PROJECT COST ($000) 12,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	133,080	-	9,040
BEQ BERTHING SPACE	SF	115,520	67.00	(7,740)
DISCIPLINARY BARRACKS.	SF	13,000	65.00	(850)
COMPANY OFFICE AREAS	SF	4,560	99.00	(450)
SUPPORTING FACILITIES	LS	-	-	2,280
ELECTRICAL UTILITIES	LS	-	-	(270)
MECHANICAL UTILITIES	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(1,700)
SUBTOTAL	-	-	-	11,320
CONTINGENCY (5%)	-	-	-	570
TOTAL CONTRACT COST.	-	-	-	11,890
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	650
TOTAL REQUEST.	-	-	-	12,540
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	12,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One four-story and one three-story reinforced concrete frame buildings, concrete foundations and floors, masonry walls, built-up roof, energy monitoring and control system, fire protection system, utilities, two company offices; two playing courts; picnic area; 152 two-bedroom modules with private bathrooms; one single-story reinforced concrete and masonry building, open-bay living concept for 100 persons, duty room, offices, communal heads and showers, security system; lounges, laundry, storage, vending, mechanical equipment; demolition of three buildings, and removal of underground fuel tanks and contaminated soil as required.
Grade mix: 526 E1-E4, 17 E5, 11 E6-E9. Total: 554.

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11. REQUIREMENT: 20,195 PN. ADEQUATE: 11,949 PN. SUBSTANDARD: 8,360 PN.
PROJECT: Provides adequate billeting for enlisted personnel and a minimum security facility for Marines prior to their release from institutional custody.
REQUIREMENT: Adequate housing for 554 enlisted personnel in grades E1-E9. Billeting is being provided for personnel assigned to the headquarters and Del Mar and Chappo areas. The Chappo facility is a disciplinary barracks.
CURRENT SITUATION: Some enlisted Marines are billeted in open-bay dormitories with communal heads and showers. Fifty percent of the personnel assigned to the headquarters area are residing in inadequate, 40-year-old quarters. Many personnel in the Del Mar area are living in

Continued on DD 1391c)

1. COMPONENT NAVY	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-905

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
inadequate quarters constructed in 1958. The reactivation of Marine Air Control Squadron-1 has created a critical shortage of billeting spaces in the Del Mar area. The number of students under instruction at the schools battalion has increased. Interior design of the existing facilities in each area has little to offer in creature comforts or privacy. The existing disciplinary barracks is also 40 years old and has deteriorated beyond economical repair. The physical plant cannot meet the health, safety, and comfort standards.

IMPACT IF NOT PROVIDED: Adequate billeting will not be available for all enlisted personnel. Marines will continue to occupy inadequate housing and endure a low standard of habitability. This has an adverse impact on maintaining an all-volunteer force.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 9-85
- (b) Percent Complete as of January 1986........... 50
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 3-86

(2) Basis:
- (a) Standard or Definitive Design: Yes X No
- (b) Where Design Was Most Recently Used: MCB Camp Pendleton, CA

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(225)
- (b) All Other Design Costs.........................(200)
- (c) Total.. 425
- (d) Contract.......................................(405)
- (e) In-house.......................................(20)

(4) Construction start......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE MESS HALL ADDITIONS AND MODERNIZATIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 64 96 M	722.10	P-961	5,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL ADDITIONS AND MODERNIZATIONS . . .	SF	64,550	-	4,030
MESS HALL ADDITIONS.	SF	6,500	129.00	(840)
MESS HALL REHABILITATIONS.	SF	58,050	42.00	(2,440)
BUILT-IN EQUIPMENT	LS	-	-	(750)
SUPPORTING FACILITIES.	-	-	-	600
ELECTRICAL UTILITIES	LS	-	-	(320)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(210)
SUBTOTAL	-	-	-	4,630
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,860
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	270
TOTAL REQUEST.	-	-	-	5,130
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building additions, concrete foundations and floors, built-up roofs, enlarge loading dock; rehabilitate three mess halls including new food service equipment, interior upgrading, roof replacements; fire protection system, utilities; removal of underground fuel tanks and contaminated soil as required.

11. REQUIREMENT: 64,550 SF. ADEQUATE: 0 SF. SUBSTANDARD: 58,050 SF.

PROJECT: Constructs additions to and modernizes mess hall facilities in the Las Flores, Edson, and Horno areas.

REQUIREMENT: Adequate messing facilities to accommodate a new mission to support a Light Armored Assault (LAA) Battalion and upgrade existing facilities to modern standards. An additional 500 persons feeding requirement to support the new unit.

CURRENT SITUATION: The mess hall in the Las Flores area is small and undersized, constructed in 1965 to support a tank and anti-tank battalion. Capacity can accommodate the tank and soon to be relocated reconnaissance battalion, but there is no capacity to support the new LAA Battalion, which must be supported approximately 9 miles from Las Flores until this project is completed. The Horno mess hall was constructed in 1953 and the Edson facility in 1963. The Horno area supports an infantry regiment and a division truck company. The Edson area supports the weapons training battalion. Neither of these mess halls has received any improvements or

(Continued on DD 1391c)

U.S. Government Printing Office

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA		
4. PROJECT TITLE MESS HALL ADDITIONS AND MODERNIZATIONS		5. PROJECT NUMBER P-961

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
modernization to permit faster more efficient service to accommodate expanded menus.

IMPACT IF NOT PROVIDED: Extremely overcrowded conditions will result in long delays, frustration, and a decline of morale in personnel assigned to the Las Flores, Horno, and Edson facilities. The necessity to extend meal hours will deprive the operational unit of needed manpower at critical periods during the normal work day.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 8-85
- (b) Percent Complete as of January 1986........... 40
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 9-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (85)
- (b) All Other Design Costs......................... (175)
- (c) Total.. 260
- (d) Contract....................................... (250)
- (e) In-house....................................... (10)

(4) Construction start.......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	4. PROJECT TITLE PHYSICAL FITNESS CENTER

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 740.43	7. PROJECT NUMBER P-609	8. PROJECT COST ($000) 2,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL FITNESS CENTER.	SF	21,000	94.00	1,970
SUPPORTING FACILITIES.	-	-	-	630
ELECTRICAL UTILITIES	LS	-	-	(190)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(330)
SUBTOTAL	-	-	-	2,600
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,730
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,880
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete frame building, masonry walls, concrete foundation and floor, tapered steel girders and beams, metal roof deck with rigid insulation and light-weight concrete fill, built-up roofing, basketball, volleyball, handball and racquetball courts, exercise rooms, sauna, locker rooms, built-in bleachers, classrooms, weightroom, administrative offices, storage and issue room, electronic monitoring of heating systems, fire protection system, air conditioning, utilities; softball field.

11. REQUIREMENT: 21,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a gymnasium to support physical fitness programs in the San Mateo area of the base.

REQUIREMENT: Adequate facility for physical conditioning through athletic and sports competition and for expanding athletic programs of an Infantry Regiment and Engineer Battalion.

CURRENT SITUATION: The only adequate gymnasium on Camp Pendleton is located in the Horno area, approximately 10 miles from the San Mateo area. There are no adequate gymnasium facilities for the 3,200 personnel assigned to the San Mateo area. Existing gym is located in an old, modified metal building with space limitations prohibiting use of the most basic excercise and athletic equipment. The lack of seating capacity discourages any spectator interest in events.

IMPACT IF NOT PROVIDED: Marines will continue to utilize a totally inadequate metal building without having the opportunity for individual and

(Continued on DD 1391c)

☆ U.S. Government Printing Office: 1984—[illegible]

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA		
4. PROJECT TITLE PHYSICAL FITNESS CENTER		5. PROJECT NUMBER P-609

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

group participation and competition to assist in development and maintenance of physical and mental readiness. Physical fitness is directly related to combat readiness. The lack of adequate athletic facilities deprives an aggressive group of assault infantry an organized outlet for their energy. This situation is detrimental to morale and contributes indirectly to disciplinary problems.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	7-85
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	6-86

(2) Basis:

(a) Standard or Definitive Design: Yes X No ___

(b) Where Design Was Most Recently Used: ___

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	(60)
(b) All Other Design Costs	(55)
(c) Total	115
(d) Contract	(105)
(e) In-house	(10)

(4) Construction start........................ 10-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR. COST INDEX 0.86

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	248	749	5114	5	25	0	1003	8931	1626	17701
b. END FY 19 91	226	1008	4903	82	232	0	1031	8448	1603	17553

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (27,699)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	261,740
c. AUTHORIZATION NOT YET IN INVENTORY	56,790
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	15,510
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	33,600
f. PLANNED IN NEXT THREE PROGRAM YEARS	76,180
g. REMAINING DEFICIENCY	51,580
h. GRAND TOTAL	495,400

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116.15	Aircraft Rinse Facility	LS	500	3-85	6-86
153.10	Troop & Cargo Stag Fac	86,100 SY	6,870	5-85	10-86
171.35	Operational Trnr Fac Addn	LS	980	6-85	10-86
179.70	Tact Air Combat Trng Fac	23,430 SF	3,730	6-85	10-86
214.30	Refueling Veh Maint Shops	10,740 SF	2,060	4-85	6-86
911.10	Land Acquisition	LS	1,370	5-85	10-86
	TOTAL		15,510		

9. Future Projects:

a. Included in following program (FY 88):

141.70	Control Tower and Ops Fac	3,710 SF	3,900
211.05	Hangar Modifications	19,270 SF	3,650
721.11	Bachelor Enlisted Quarters	393,600 SF	21,000
730.84	Religious Education Bldg	6,700 SF	450
740.74	Child Care Center	16,500 SF	1,600
872.15	Security Improvements	LS	3,000
			33,600

10. Mission or Major Functions: Maintain and operate facilities and provide services and materials to support the operations of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

One Marine Aircraft Wing
Naval Air Rework Facility

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	900

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	4. PROJECT TITLE TROOP AND CARGO STAGING FACILITY

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 153.10	7. PROJECT NUMBER P-003	8. PROJECT COST ($000) 6,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TROOP AND CARGO STAGING FACILITY	SY	86,100	-	4,650
CARGO STAGING AREA PAVEMENT.	SY	86,100	26.00	(2,250)
LOADING RAMPS AND WASHRACK	LS	-	-	(700)
TROOP TERMINAL	SF	19,500	48.00	(950)
CONTROL BUILDING	SF	1,300	38.00	(50)
CARGO AND MAINTENANCE SHED	SF	15,220	36.00	(550)
REFUELER SYSTEM PANTOGRAPHS.	LS	-	-	(150)
SUPPORTING FACILITIES.	-	-	-	1,700
UTILITIES.	LS	-	-	(600)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,100)
SUBTOTAL	-	-	-	6,350
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST.	-	-	-	6,650
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	370
TOTAL REQUEST.	-	-	-	7,020
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	6,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Concrete paved staging area; two one-story steel frame buildings, concrete foundations and floors, masonry walls, built-up roof; steel frame storage shed; vehicle wash rack, cargo loading ramps; three pantographs for the cargo refueler system; road realignment and extension including culverts; fire protection system, utilities.

11. REQUIREMENT: 86,100 SY. ADEQUATE: 0 SY. SUBSTANDARD: 0 SY.

PROJECT: Constructs a paved cargo staging area and a troop mount-out terminal to accommodate strategic deployment of large numbers of forces, the vehicles accompanying them, and their baggage and palletized gear.

REQUIREMENT: This facility has been designated the east coast air port-of-embarkation, and must support all deployment exercises conducted to maintain readiness posture for actual rapid deployment of troops. Exercises occur twice a month for two days to two weeks. Personnel from the Air Force, the deploying units, US Customs, and the Fleet Service Support Group who are not stationed at Cherry Point require space to process, stage, load, and unload men and materials during deployments. Real world contingency embarkations most recently deployed troops to Lebanon and Grenada. To meet maritime prepositioned shipping requirements, Cherry Point can expect to process 15,000 men and move over 5,000 tons of equipment within a period of less than six days.

CURRENT SITUATION: Deployment of troops and cargo is carried out on the aircraft parking apron adjacent to an active maintenance hangar. Major portions of required hangar maintenance operations must cease until the

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA		
4. PROJECT TITLE TROOP AND CARGO STAGING FACILITY		5. PROJECT NUMBER P-003

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
embarkation has been completed, and the group's aircraft must be moved from the apron to another location. Troops are being processed and sheltered in the maintenance bays of the hangar, which then may be inaccessible to the using group for two days to two weeks. Sequential staging of cargo and vehicles, which arrive from Camp Lejeune or other points of origin, is extremely difficult in this limited space. Maintaining adequate security is impossible. Those in charge of deployment operations are working from either substandard vans or from their own personal vehicles. During the past year, over 33,000 men have been processed through this makeshift embarkment area. No storage facility exists to house the unique metal pallets specifically designed for use on embarkation aircraft.

IMPACT IF NOT PROVIDED: Rapid embarkation of troops and cargo from Cherry Point to deployment destinations will be seriously hindered. Security during these operations will be jeopardized. Those in charge of properly staging and loading gear and men onto the cargo aircraft, and those in charge of aircraft operations, will continue to work from their own vehicles. In the area now being used for deployment exercises, tactical squadron requirements cannot be met, forcing these units to cease operations. Stored exposed to the elements, metal pallets will corrode and warp, making them unfit for use. The mission of preparing to process, stage, and position forces and cargo to deployment locations in the shortest possible time cannot be accomplished.

12. SUPPLEMENTAL DATA:

a. Estimated design data:
(1) Status:
(a) Date Design Started............................ 5-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 10-86
(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______
(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (235)
(b) All Other Design Costs......................... (140)
(c) Total.. 375
(d) Contract....................................... (315)
(e) In-house....................................... (60)
(4) Construction start.......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR STATION,
CHERRY POINT, NORTH CAROLINA

4. PROJECT TITLE
TACTICAL AIR COMBAT TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 64 96 M	179.70	P-863	3,730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TACTICAL AIR COMBAT TRAINING FACILITY. . . .	SF	23,430		2,650
BUILDING	SF	11,500	100.00	(1,150)
TV CENTER BUILDING	SF	11,930	96.00	(1,150)
BUILT-IN EQUIPMENT	LS	-	-	(350)
SUPPORTING FACILITIES.	-	-	-	770
UTILITIES.	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(470)
SUBTOTAL	-	-	-	3,420
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST.	-	-	-	3,590
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,790
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,730
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story reinforced concrete and masonry buildings, concrete foundations and floors, built-up roofs, fire protection system, air conditioning, utilities; training facility includes sound and vibration attenuation, bridge crane, emergency generator, shielding, and intrusion detection system; demolition of one building and removal of asbestos.

11. REQUIREMENT: 23,430 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides facilities to house a display and debriefing subsystem (DDS) and service facilities for Tactical Aircrew Combat Training System/Electronics Warfare (TACTS/EW) Range, and an audio-visual center.

REQUIREMENT: Facilities to accurately monitor, control, and debrief pilots engaged in multi-mode aerial warfare training on the tactical air combat target system. The development of defensive electronic warfare and highly-effective ground-to-air missiles has decreased the effectiveness of attack aircraft and increased their mortality. To counter this, an instructional facility is required to teach pilots the technique of integrated, large scale, attack aircraft strikes in an extremely hostile environment.

CURRENT SITUATION: DDS facilities for the TACTS range are located in a mobile facility. Instruction is fragmented and inadequate to meet present and future conditions.

IMPACT IF NOT PROVIDED: The full strike effectiveness of modern, high-speed jet aircraft will not be maximized. Losses of expensive aircraft and highly-trained pilots and crew will occur.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA		
4. PROJECT TITLE TACTICAL AIR COMBAT TRAINING FACILITY		5. PROJECT NUMBER P-863

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 6-85
(b) Percent Complete as of January 1986........... 45
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (165)
(b) All Other Design Costs......................... (110)
(c) Total.. 275
(d) Contract....................................... (245)
(e) In-house....................................... (30)

(4) Construction start........................ 3-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 19 82 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR STATION,
CHERRY POINT, NORTH CAROLINA

4. PROJECT TITLE
REFUELING VEHICLE MAINTENANCE SHOPS

5. PROGRAM ELEMENT
2 64 96 M

6. CATEGORY CODE
214.30

7. PROJECT NUMBER
P-691

8. PROJECT COST ($000)
2,060

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REFUELING VEHICLE MAINTENANCE SHOPS.	SF	10,740	-	750
BUILDING (MCAS).	SF	3,120	59.00	(180)
BUILDING (2d MAW).	SF	7,620	54.00	(420)
BUILT-IN EQUIPMENT	LS	-	-	(150)
SUPPORTING FACILITIES.	-	-	-	1,150
CONCRETE PADS FOR TANK PURGING	LS	-	-	(50)
UTILITIES, PAVING & SITE IMPR, DEMOLITION.	LS	-	-	(1,100)
SUBTOTAL	-	-	-	1,900
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,000
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	110
TOTAL REQUEST.	-	-	-	2,110
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,060
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two masonry buildings, concrete foundations and floors, built-up roofs, explosion proof and fire resistant, high-bay repair stalls, fire protection system, air conditioning, utilities; concrete pad with drainage to purge fuel tanks; demolition of two buildings.

11. REQUIREMENT: 10,740 SF. ADEQUATE: 0 SF. SUBSTANDARD: 5,700 SF.

PROJECT: Provides two refueling vehicle maintenance shops and two refueler vehicle parking lots.

REQUIREMENT: Adequate facilities for the station and the 2d Marine Air Wing to maintain and repair aircraft refueling trucks and other portable fuel dispensing equipment. This equipment cannot be serviced or repaired in the automotive vehicle maintenance shop because of the explosive hazard conditions.

CURRENT SITUATION: Station maintenance on 14 refueler vehicles is being performed in a 40 year-old substandard facility having only one repair bay. The 2d Marine Air Wing refueler maintenance is being performed in a deteriorated, 20-year old metal building with one drive-through area for 50 pieces of refueling equipment. The refueler vehicle parking lot accommodates only 11 vehicles.

IMPACT IF NOT PROVIDED: Refueler vehicle maintenance will continue to be performed in inadequate and unsafe facilities. The health and safety of personnel and the protection of high-value assets will continue to be at risk. These conditions negatively impact on the capability to maintain refueler vehicles in top operating condition necessary to meet mission requirements.

(Continued on DD 1391c)

S/N 0102-LF-001-3910
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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA		
4. PROJECT TITLE REFUELING VEHICLE MAINTENANCE SHOPS		5. PROJECT NUMBER P-691

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 4-85
- (b) Percent Complete as of January 1986........... 65
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (120)
- (b) All Other Design Costs.......................... (60)
- (c) Total.. 180
- (d) Contract.. (160)
- (e) In-house.. (20)

(4) Construction start........................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

57-652 O - 86 - 5

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	4. PROJECT TITLE LAND ACQUISITION

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 911.10	7. PROJECT NUMBER P-019	8. PROJECT COST ($000) 1,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION	LS	-	-	1,270
SUBTOTAL	-	-	-	1,270
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,330
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,400
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,370
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Acquisition of interests in approximately 950 acres of land.

11. REQUIREMENT: As Required.

PROJECT: Acquires interests in land within the runway clear zone and the accident potential zones of one runway to prevent development incompatible with activity mission.

REQUIREMENT: Restrictive use easements or fee title are needed to protect the operational capability of Cherry Point and the surrounding citizenry. The absence of enforceable restriction will eventually lead to a serious encroachment problem and reduce the ability to fully support the training mission of the 2nd Marine Aircraft Wing.

CURRENT SITUATION: Local business indicators show this area to be a prime candidate for future development. There are no zoning or other restrictions to control such development which would be in conflict with the station's training mission.

IMPACT IF NOT PROVIDED: Local government bodies are politically unwilling to zone the area and eventually incompatible development will limit the use of this master jet all-weather runway and reduce the readiness training of pilots assigned to the 2nd Marine Aircraft Wing.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA		
4. PROJECT TITLE LAND ACQUISITION		5. PROJECT NUMBER P-019

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 5-85
(b) Percent Complete as of January 1986........... 75
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(110)
(b) All Other Design Costs.........................(15)
(c) Total.. 125
(d) Contract.......................................(110)
(e) In-house.......................................(15)

(4) Construction start........................ 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR. COST INDEX 1.20

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	164	812	831	68	159	0	774	6550	837	10195
b. END FY 19 91	153	791	926	14	159	0	777	6557	828	10205

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(5,132)
b. INVENTORY TOTAL AS OF 30 SEP 1985	203,010
c. AUTHORIZATION NOT YET IN INVENTORY	58,180
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	13,450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,140
f. PLANNED IN NEXT THREE PROGRAM YEARS	60,160
g. REMAINING DEFICIENCY	51,600
h. GRAND TOTAL	406,540

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
211.05	Maintenance Hangar Modn	95,000 SF	11,880	9-85	10-86
211.21	Engine Maint Shop Addn	6,500 SF	1,570	8-85	10-86
	TOTAL		13,450		

9. Future Projects:

a. Included in following program (FY 88):

116.35	Arming and Dearming Pads	16,800 SY	1,100
211.05	Maintenance Hangar Modns	57,890 SF	2,950
421.32	Inert Storehouse	7,500 SF	620
441.30	Hazardous & Flammable Strg	8,750 SF	1,500
610.20	Data Processing Center	15,550 SF	2,900
724.11	Bachelor Officer Quarters	50,000 SF	8,100
740.74	Child Care Center	17,000 SF	2,300
872.15	Base Security	LS	670
			20,140

10. Mission or Major Functions: Maintain and operate facilities and provide services and materiel to support the operation of a Marine aircraft wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

One Marine Aircraft Wing
One Naval Aviation Maintenance Training Detachment
One Marine Air Reserve Training Detachment

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	2,370

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	4. PROJECT TITLE MAINTENANCE HANGAR MODERNIZATION

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 211.05	7. PROJECT NUMBER P-551	8. PROJECT COST ($000) 11,880

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGAR MODERNIZATION	SF	95,000	-	7,590
BUILDING MODERNIZATION	SF	95,000	46.00	(4,400)
AIRCRAFT PARKING APRON	SY	28,880	42.00	(1,210)
FIXED POINT UTILITIES CONSOLES	LS	-	-	(1,370)
AIRCRAFT WASHRACK.	LS	-	-	(150)
POWER CHECK PAD.	LS	-	-	(140)
UTILITY BUILDING	LS	-	-	(180)
ASBESTOS REMOVAL	LS	-	-	(140)
SUPPORTING FACILITIES.	-	-	-	3,330
UTILITIES, PAVING & SITE IMPR, DEMOLITION.	LS	-	-	(3,330)
SUBTOTAL	-	-	-	10,920
CONTINGENCY (5%)	-	-	-	550
TOTAL CONTRACT COST.	-	-	-	11,470
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	630
TOTAL REQUEST.	-	-	-	12,100
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	11,880
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building modernization including partitions, fire protection system with water storage tank and pumping facility, sprinkler system, sound attenuation, seismic strengthening, air conditioning, utilities upgrade; concrete aircraft parking apron, 32 outlets fixed point utilities system; aircraft washrack, oil-water separator; utility building, power check pad; demolition of six buildings.

11. REQUIREMENT: 617,170 SF. ADEQUATE: 522,170 SF. SUBSTANDARD: 102,580 SF.

PROJECT: Modernizes hangar, constructs aircraft parking apron with fixed point utilities, new washrack facility and equipment for corrosion prevention, and upgrades aircraft power check pad for in-frame engine testing.

REQUIREMENT: Adequate aircraft parking and maintenance shop spaces, and air conditioned and sound attenuated administrative areas to support operations and maintenance of 30 F/A-18 Fleet Readiness Squadron aircraft and six F/A-18 Tactical Air Control aircraft. The Fleet Readiness Squadron is tasked with the responsibility of training new, converting, or refreshing pilots in the FA-18 aircraft.

CURRENT SITUATION: The maintenance hangar was designed and configured for organizational maintenance for six aircraft.

IMPACT IF NOT PROVIDED: The F/A-18 Fleet Readiness Squadron anticipates these aircraft will remain at El Toro indefinitely. Completion of this project will provide the station a capability to achieve and maintain

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, EL TORO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
MAINTENANCE HANGAR MODERNIZATION	P-551

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
readiness to fulfill its mission. If not completed, training times will increase, resulting in reduced pilot training levels and lower operational readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
  (a) Date Design Started.............................. 9-85
  (b) Percent Complete as of January 1986.......... 35
  (c) Percent Complete as of October 1986.......... 100
  (d) Date Design Complete.......................... 10-86

(2) Basis:
  (a) Standard or Definitive Design: Yes___ No X
  (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  (a) Production of Plans and Specifications........ (320)
  (b) All Other Design Costs......................... (75)
  (c) Total.. 395
  (d) Contract... (390)
  (e) In-house... (5)

(4) Construction start.......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	4. PROJECT TITLE ENGINE MAINTENANCE SHOP ADDITION

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 211.21	7. PROJECT NUMBER P-394	8. PROJECT COST ($000) 1,570

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINE MAINTENANCE SHOP ADDITION	SF	6,500	-	750
BUILDING ADDITION.	SF	6,500	92.00	(600)
BUILT-IN EQUIPMENT	LS	-	-	(150)
SUPPORTING FACILITIES.	-	-	-	660
ELECTRICAL UTILITIES	LS	-	-	(330)
MECHANICAL UTILITIES	LS	-	-	(330)
SUBTOTAL	-	-	-	1,410
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,480
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	90
TOTAL REQUEST.	-	-	-	1,570
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,570
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Hangar shop space addition, load-bearing masonry walls, concrete foundation and floor, built-up roof, sound attenuation, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 36,120 SF. ADEQUATE: 29,620 SF. SUBSTANDARD: 0 SF.

PROJECT: Expands the hangar engine maintenance shops, providing adequate space for both scheduled and unscheduled maintenance on F/A-18 aircraft twin engine power units.

REQUIREMENT: Adequately configured space for an efficient and safe working environment. The additional support requirements were a result of Marine Aircraft Group 11 (MAG-11) being assigned an additional Fleet Readiness Squadron and Tactical Air Control, Airborne Aircraft. In addition to the specific engine work spaces, a tool issue room and a parts issue facility are necessary to support the engine maintenance shop workload and the routine flightline maintenance workload associated with additional aircraft.

CURRENT SITUATION: The MAG-11 engine shop was originally designed to support 36 FA-18 aircraft. The facility is incapable of supporting the newly assigned engine maintenance requirements of an additional 36 FA-18 aircraft.

IMPACT IF NOT PROVIDED: The engine maintenance evolution will become fragmented. This will result in increased time to inspect and repair engines, impacting on adjacent maintenance facilities work efforts. The cumulative effect would be an adverse impact on the operational readiness of the squadrons being supported.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, EL TORO, CALIFORNIA		
4. PROJECT TITLE ENGINE MAINTENANCE SHOP ADDITION		5. PROJECT NUMBER P-394

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 8-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (85)
- (b) All Other Design Costs......................... (80)
- (c) Total.. 165
- (d) Contract....................................... (125)
- (e) In-house....................................... (40)

(4) Construction start......................... 1-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR. COST INDEX 1.34

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	75	833	429	0	0	0	752	7590	1449	11128
b. END FY 19 91	82	543	429	0	0	0	803	8294	1449	11600

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(34,354)
b. INVENTORY TOTAL AS OF 30 SEP 1985	156,200
c. AUTHORIZATION NOT YET IN INVENTORY	47,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	40,720
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	29,030
f. PLANNED IN NEXT THREE PROGRAM YEARS	62,970
g. REMAINING DEFICIENCY	25,320
h. GRAND TOTAL	361,430

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116.15	Aircraft Rinse Facility	LS	1,280	6-85	12-85
116.65	Tactical Support Van Pads	23,800 SY	8,840	6-85	6-86
171.35	Operational Trainer Facility	LS	880	6-85	3-86
211.03	Corrosion Control Hangar	11,200 SF	2,260	6-85	2-86
211.89	Power Check Pad	LS	500	6-85	4-86
214.10	Combat Vehicle Maint Shop	40,860 SF	6,480	5-85	2-86
610.73	Company & Battery Opns Center	81,150 SF	9,130	6-85	9-86
721.11	BEQ Modernization	120,620 SF	8,800	6-85	5-86
872.15	Flight Line Security Imprs	LS	2,550	6-85	8-86
	TOTAL		40,720		

9. Future Projects:

a. Included in following program (FY 88):

112.10	Airfield Pavement Imprvs	LS	8,840
132.10	ISIS Facility	LS	910
171.10	Acad/Gen Instruction Bldg	360 SF	5,000
171.35	Helicopter Trainer Facs	LS	3,030
211.06	Maintenance Hangar Modns	74,500 SF	10,330
214.51	Automotive Orgn Shop	11,480 SF	920
			29,030

10. Mission or Major Functions: Maintain and operate facilities and provide services and material to support operations of a Marine Brigade, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	4. PROJECT TITLE AIRCRAFT RINSE FACILITY

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 116.15	7. PROJECT NUMBER P-541	8. PROJECT COST ($000) 1,280

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT RINSE FACILITY.	LS	-	-	480
SUPPORTING FACILITIES.	-	-	-	710
ELECTRICAL UTILITIES	LS	-	-	(90)
MECHANICAL UTILITIES	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(400)
SUBTOTAL	-	-	-	1,190
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,250
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,320
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,280
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Unattended taxi-through treadle-operated freshwater deluge aircraft rinse system, utilities.

11. REQUIREMENT: As Required.

PROJECT: Constructs an automatic aircraft rinse facility to remove salt and other water-soluble corrosive contaminants from fixed-wing aircraft, specifically the F/A-18A aircraft, scheduled to arrive in 1989.

REQUIREMENT: Adequate aircraft rinse facilities to remove contaminants from aircraft after low-level operations over saltwater and in a corrosive operational atmosphere. Kaneohe Bay is surrounded on three sides by bodies of saltwater. The salt-laden atmosphere sustains and accelerates corrosion of vital aircraft parts. Rinsing of aircraft after each operation will retard the effects of the corrosive atmosphere.

CURRENT SITUATION: The activity does not have an aircraft rinse facility. Aircraft must be towed one-half mile to and from a washrack. Present aircraft assignment is 39 fixed-wing and 36 helicopters.

IMPACT IF NOT PROVIDED: Absence of aircraft rinsing facilities will unnecessarily subject fixed-wing aircraft to corrosive contaminants and the inefficient labor intensive washing procedures will continue indefinitely.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII		
4. PROJECT TITLE AIRCRAFT RINSE FACILITY		5. PROJECT NUMBER P-541

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 6-85
- (b) Percent Complete as of January 1986............ 100
- (c) Percent Complete as of October 1986............ 100
- (d) Date Design Complete........................... 12-85

(2) Basis:
- (a) Standard or Definitive Design: Yes X No____
- (b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications.........(50)
- (b) All Other Design Costs..........................(35)
- (c) Total... 85
- (d) Contract..(75)
- (e) In-house..(10)

(4) Construction start.......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	4. PROJECT TITLE TACTICAL SUPPORT VAN PADS

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 116.65	7. PROJECT NUMBER P-537	8. PROJECT COST ($000) 8,840

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TACTICAL SUPPORT VAN PADS.	SY	23,800	-	2,450
VAN PADS	SY	23,800	71.00	(1,680)
CHEMICAL & HAZARDOUS STORAGE, EQUIP SHELTER	SF	11,090	32.00	(350)
COMFORT STATIONS	LS	-	-	(250)
BUILDING MODIFICATIONS	LS	-	-	(170)
SUPPORT FACILITIES	-	-	-	5,710
ELECTRICAL UTILITIES	LS	-	-	(4,970)
MECHANICAL UTILITIES	LS	-	-	(410)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(330)
SUBTOTAL	-	-	-	8,160
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST.	-	-	-	8,570
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	470
TOTAL REQUEST.	-	-	-	9,040
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,840
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Concrete van pads, roads and parking, security fencing and lighting, sentry station, 400 Hz electric power; building modifications; covered shelter; utilities.

11. REQUIREMENT: 23,800 SY. ADEQUATE: 0 SY. SUBSTANDARD: 0 SY.

PROJECT: Constructs tactical support van pad complexes for mobile maintenance facilities and upgrades electrical system to provide power to vans.

REQUIREMENT: Prepared parking pads and support facilities for vans providing maintenance and supply functions for F/A-18A aircraft and helicopters. The initial squadron of F/A-18A aircraft are scheduled to arrive in January 1988. The maintenance requirements to support the F/A-18A will be partially met through the use of mobile maintenance vans. A secure area located within the vicinity of the station's maintenance activities is also necessary to support the avionics maintenance vans. Vans will enhance deployability and eliminate redundancy in working space by having only one work space for both garrison and deployed operations, both training and wartime evolutions, plus comply with Navy goals to containerize all shipping.

CURRENT SITUATION: Adequate facilities for maintenance and supply functions for some aircraft types are available. No maintenance facilities are available to support the F/A-18A aircraft and helicopters. The station electrical system is not capable of providing necessary power to the van complex.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII

4. PROJECT TITLE
TACTICAL SUPPORT VAN PADS

5. PROJECT NUMBER
P-537

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Since the complexes have been specifically designed to accommodate the mobile maintenance concepts incorporated in the production of F/A-18A aircraft, the operational readiness of Marine Air Group (MAG)-24 would be adversely affected.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................6-85
(b) Percent Complete as of January 1986............55
(c) Percent Complete as of October 1986............100
(d) Date Design Complete............................6-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.........(365)
(b) All Other Design Costs..........................(235)
(c) Total...600
(d) Contract..(530)
(e) In-house..(70)

(4) Construction start..........................1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3915

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	4. PROJECT TITLE CORROSION CONTROL HANGAR

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 211.03	7. PROJECT NUMBER P-465	8. PROJECT COST ($000) 2,260

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CORROSION CONTROL HANGAR	SF	11,200	-	1,830
BUILDING	SF	11,200	142.00	(1,590)
BUILT-IN EQUIPMENT	LS	-	-	(240)
SUPPORTING FACILITIES.	-	-	-	220
UTILITIES.	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(140)
SUBTOTAL	-	-	-	2,050
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,150
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,270
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,260
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel frame hangar, concrete foundation, metal roofing and siding, chemical resistant floor, compressed air system, fire protection system, humidity control, waste chemical storage, utilities.

11. REQUIREMENT: 11,200 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides facilities to perform aircraft corrosion control at the intermediate maintenance level.

REQUIREMENT: Adequate facility capable of maintaining a controlled environment for aircraft paint stripping and corrosion blast-cleaning. Reduce air pollution and provide work areas in compliance with requirements of the Clean Air and Occupational Safety and Health regulations.

CURRENT SITUATION: Activity is located on a peninsula, subjecting aircraft to a heavily corrosive salt-air atmosphere. Most aircraft operations are conducted over the Pacific Ocean, which also subjects aircraft to salt-water corrosion. Aircraft are painted when required after normal working hours or on weekends in an organizational maintenance hangar, without adequate environmental controls and facilities to reduce air pollution. Aircraft loading totals 98, including both helicopters and fixed-wing jets. The FA-18 will replace the RF-4 starting in 1988. Existing facilities will be unable to accommodate the additional work-load upon arrival of the new aircraft.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII		
4. PROJECT TITLE CORROSION CONTROL HANGAR		5. PROJECT NUMBER P-465

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Decrease in overall performance of aircraft, operational readiness, and mission capability. Aircraft will continue to be maintained in an area without adequate environmental controls. Aircraft painting will continue in an operational hangar exposing other aircraft and equipment to paint spray and other materials used in corrosion control.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 6-85
- (b) Percent Complete as of January 1986........... 85
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 2-86

(2) Basis:
- (a) Standard or Definitive Design: Yes X No ____
- (b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(105)
- (b) All Other Design Costs........................(85)
- (c) Total... 190
- (d) Contract......................................(165)
- (e) In-house......................................(25)

(4) Construction start......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 214.10	7. PROJECT NUMBER P-530	8. PROJECT COST ($000) 6,480

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT VEHICLE MAINTENANCE SHOP.	SF	40,860	-	3,150
VEHICLE MAINTENANCE SHOP	SF	27,160	85.00	(2,300)
VEHICLE WASH FACILITY.	SF	3,960	13.00	(50)
POL & HAZARDOUS MATERIALS STORAGE BUILDINGS	SF	3,660	38.00	(140)
LOGISTIC VEHICLE SHEDS	SF	4,000	65.00	(260)
BUILDING ADDITION.	SF	2,080	96.00	(200)
FUEL DISPENSING FACILITY	OL	4	50,000	(200)
SUPPORTING FACILITIES.	-	-	-	2,820
UTILITIES.	LS	-	-	(860)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,960)
SUBTOTAL	-	-	-	5,970
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST.	-	-	-	6,270
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	340
TOTAL REQUEST.	-	-	-	6,610
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	6,480
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Pre-engineered steel buildings, concrete foundations and floors, exhaust system, compressed air, jib crane; building addition, concrete foundation and floor, masonry and metal walls; fuel dispensing facility; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 40,860 SF. ADEQUATE: 0 SF. SUBSTANDARD: 13,080 SF.

PROJECT: Provides an organizational maintenance facility for the 3rd Marine Regiment to perform first and second echelon maintenance on combat vehicles and support equipment.

REQUIREMENT: Adequate combat vehicle maintenance shop facilities to perform maintenance on 346 combat vehicles and associated support equipment. Additionally, all current equipment is scheduled for replacement with more technically sophisticated equipment such as the 155mm howitzer and the HMMWV 5/4 Ton Truck.

CURRENT SITUATION: Maintenance is currently being performed in a 20 year-old open-bay vehicle holding shed which has been plagued with continual maintenance and repair problems. The structure was not designed for its current use, with openings on both sides of the building, it does not provide sufficient security and weather protection for valuable tools and equipment. Required support equipment, compressed air, vehicle system, and hydraulic lifts, do not exist in this building.

IMPACT IF NOT PROVIDED: Combat vehicles and support equipment maintenance will continue to be performed in substandard facilities, adversely affecting operational and maintenance capability and impairing combat readiness.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII		
4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP		5. PROJECT NUMBER P-530

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 5-85
- (b) Percent Complete as of January 1986........... 85
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 2-86

(2) Basis:
- (a) Standard or Definitive Design: Yes__ X __No____
- (b) Where Design Was Most Recently Used: __________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(210)
- (b) All Other Design Costs.........................(225)
- (c) Total.. 435
- (d) Contract.......................................(365)
- (e) In-house.......................................(70)

(4) Construction start............................ 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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1. COMPONENT: NAVY

FY 19 82 MILITARY CONSTRUCTION PROJECT DATA

2. DATE:

3. INSTALLATION AND LOCATION: MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII

4. PROJECT TITLE: COMPANY AND BATTERY OPERATIONS CENTER

5. PROGRAM ELEMENT: 2 64 96 M

6. CATEGORY CODE: 610.73

7. PROJECT NUMBER: P-496

8. PROJECT COST ($000): 9,130

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPANY AND BATTERY OPERATIONS CENTER. . . .	SF	81,150	90.00	7,300
SUPPORTING FACILITIES	-	-	-	1,100
ELECTRICAL UTILITIES	LS	-	-	(650)
MECHANICAL UTILITIES	LS	-	-	(350)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	8,400
CONTINGENCY (5%)	-	-	-	420
TOTAL CONTRACT COST.	-	-	-	8,820
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	490
TOTAL REQUEST.	-	-	-	9,310
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	9,130
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Nine two-story reinforced concrete frame buildings and sixteen one-story building additions, concrete foundations and floors, masonry walls, built-up roofing, utilities, fire protection system, air conditioning.

11. REQUIREMENT: 142,760 SF. ADEQUATE: 61,610 SF. SUBSTANDARD: 55,600 SF.

PROJECT: Provides headquarters and administrative facilities in the enlisted personnel billeting areas for the 12th Marines, First Radio Battalion, Third Marine Regiment, Seventh Communications Battalion, and Brigade Service Support Group.

REQUIREMENT: Adequate company and squadron administrative facilities to accommodate supply and equipment needs for day-to-day operations. One-story building additions to overcrowded structures to accommodate the 3rd Marines. Two-story buildings will provide administrative and supply spaces for the 12th Marines, the Brigade Service Support Group, 1st Radio Battalion, Brigade Headquarters Company, 7th Communications Battalion, and the station's headquarters squadron.

CURRENT SITUATION: Battalion headquarters and a majority of the company and battery headquarters are located within the bachelor enlisted quarters scheduled for modernization. The capacity of these facilities cannot accommodate adequate storage of supply and equipment. Many of these offices are located in buildings providing only a third of the allotted space.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII		
4. PROJECT TITLE COMPANY AND BATTERY OPERATIONS CENTER		5. PROJECT NUMBER P-496

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Continued bachelor enlisted quarters modernization will further aggravate the overcrowded conditions. Headquarters and operations functions will be severely hampered, and the command and control at the unit level will be adversely affected, reducing organizational and unit integrity.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 6-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes X No ___
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(415)
(b) All Other Design Costs........................(385)
(c) Total.. 800
(d) Contract.......................................(725)
(e) In-house.......................................(75)

(4) Construction start........................ 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS MODERNIZATION

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-432	8. PROJECT COST ($000) 8,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS MODERNIZATION . .	SF	120,620	65.00	7,840
SUPPORTING FACILITIES.	-	-	-	280
UTILITIES.	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(180)
SUBTOTAL	-	-	-	8,120
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST.	-	-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	470
TOTAL REQUEST.	-	-	-	9,000
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Buildings alterations including partitions, insulation, suspended acoustic ceilings, floor and wall finishes, new roofing, natural ventilation, fire protection systems, utilities upgrade; 159 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment. Grade mix: 528 E1-E4, 54 E5. Total: 582.

11. REQUIREMENT: 6,317 PN. ADEQUATE: 3,202 PN. SUBSTANDARD: 2,651 PN.

PROJECT: Modernizes structurally sound reinforced concrete buildings to adequately billet enlisted personnel. This project is a continuation of a modernization program started in FY 1979. To construct new BEQ's would require the expensive demolition of the existing buildings, since no other available site would be suitable or in proximity of the existing personnel support facilities. In addition to demolition, extensive utility costs would be required. By modernizing these buildings, the station will keep buildings that are better than affordable BEQ's that can be constructed today.

REQUIREMENT: Adequate housing for 582 enlisted personnel in grades E1-E5. These personnel are either transient or assigned to the station as permanent support.

CURRENT SITUATION: Fifty percent of the enlisted Marines are billeted in inadequate open-bay dormitory housing, with communal heads and showers. There is a deficiency of 3,115 adequate billeting spaces at this station.

(Continued on DD 1391c)

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1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII

4. PROJECT TITLE
BACHELOR ENLISTED QUARTERS MODERNIZATION

5. PROJECT NUMBER
P-432

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Adequate billeting will not be available for enlisted personnel. Continued occupancy of substandard and unsuitable housing which fails to meet minimum living conditions necessary to recruit and retain Marines in an all-volunteer environment.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 6-85
(b) Percent Complete as of January 1986........... 60
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 5-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(320)
(b) All Other Design Costs........................(305)
(c) Total.. 625
(d) Contract......................................(565)
(e) In-house......................................(60)

(4) Construction start......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3915

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	4. PROJECT TITLE FLIGHT LINE SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 64 96 M	872.15	P-607	2,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLIGHT LINE SECURITY IMPROVEMENTS.	LS	-	-	1,830
SECURITY FENCING	LF	13,000	48.00	(620)
SENTRY BOOTHS.	EA	8	6,250	(50)
EMERGENCY GENERATORS	LS	-	-	(180)
SECURITY PERIMETER LIGHTING.	LS	-	-	(980)
SUPPORTING FACILITIES.	-	-	-	540
ELECTRICAL UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(240)
SUBTOTAL	-	-	-	2,370
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,490
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	140
TOTAL REQUEST.	-	-	-	2,630
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,550
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Sentry booths, security fencing and lighting, emergency generators, utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides improved security for the flight line and operations core of the station.

REQUIREMENT: Adequate facilities to correct security deficiencies on the flight line and in facilities which directly support aircraft operations. Improved security around the flight line and fuel storage facilities to protect expensive aircraft and stored fuel and petroleum assets from terrorism and vandalism. Terrorism around the world is on the increase. Targets include US military installations, equipment, and personnel. Fencing is required to limit access to the flight line. Where fencing is not feasible, an intrusion detection system will be utilized. New lighting is essential to ensure adequate security.

CURRENT SITUATION: Security systems for flight line areas are inadequate as vehicles and personnel may enter without being screened. There are few physical barriers limiting access to the flight line or its supporting facilities. Approximately 100 very expensive aircraft are parked on the unfenced flight line exposed to potential terrorist attack. No intrusion systems are located in these areas, and lighting is inadequate for night observation. The station lacks an adequate security system necessary for the intrusion detection and access control of personnel to high security areas.

(Continued on DD 1391c)

1. COMPONENT

NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII

4. PROJECT TITLE

FLIGHT LINE SECURITY IMPROVEMENTS

5. PROJECT NUMBER

P-607

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: The flight line and support facilities will continue to be vulnerable to the potential threat of sabotage, espionage, pilferage, and vandalism. These actions will impact directly on Fleet Marine Force operations. The assets involved are individually high-cost aircraft vital to the National Defense effort.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 6-85
- (b) Percent Complete as of January 1986........... 50
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 8-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (60)
- (b) All Other Design Costs......................... (40)
- (c) Total.. 100
- (d) Contract....................................... (95)
- (e) In-house....................................... (5)

(4) Construction start.......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR. COST INDEX 0.86

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	42	286	134	45	18	0	504	4026	150	5205
b. END FY 19 91	48	331	122	91	37	0	562	3665	112	4968

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,740)
b. INVENTORY TOTAL AS OF 30 SEP 1985	52,730
c. AUTHORIZATION NOT YET IN INVENTORY	13,850
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	21,710
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,540
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,200
g. REMAINING DEFICIENCY	28,860
h. GRAND TOTAL	124,890

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.05	Maintenance Hangar Modns	408,560 SF	15,120	10-83	6-86
610.71	Group Operations Facility	LS	980	9-84	3-86
721.11	Bachelor Enlisted Quarters	73,800 SF	4,900	2-85	6-86
851.10	Road Improvements	LS	710	9-84	3-86
	TOTAL		21,710		

9. Future Projects:

a. Included in following program (FY 88):

143.20	Ordnance Operations Building	LS	640
171.35	Operational Trnr Bldg Addn	LS	1,200
211.03	Corrosion Control Hangar	11,150 SF	3,200
217.10	Maintenance Facility	LS	300
441.11	Aviation Supply Facility	30,000 SF	1,200
			6,540

10. Mission or Major Functions: Provides facilities, services, and material necessary to support major rotary wing elements of a Marine Aircraft Wing, including aircraft maintenance and air traffic control, operation and maintenance of outlying fields and confined area landing sites necessary for the operational training of helicopter air crews.

One Marine Helicopter Group
One Marine Air Control Squadron

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA	4. PROJECT TITLE MAINTENANCE HANGAR MODERNIZATIONS

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 211.05	7. PROJECT NUMBER P-451	8. PROJECT COST ($000) 15,120

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGAR MODERNIZATIONS.	SF	408,560	-	12,700
HANGAR ALTERATIONS AND MODERNIZATIONS. . .	SF	342,420	27.00	(9,150)
HANGAR ADDITIONS	SF	66,140	54.00	(3,550)
SUPPORTING FACILITIES.	-	-	-	1,200
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(300)
UTILITIES.	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(600)
SUBTOTAL	-	-	-	13,900
CONTINGENCY (5%)	-	-	-	700
TOTAL CONTRACT COST.	-	-	-	14,600
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	800
TOTAL REQUEST.	-	-	-	15,400
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	15,120
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four reinforced concrete and masonry building additions; modernization of four buildings; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 504,560 SF. ADEQUATE: 96,000 SF. SUBSTANDARD: 221,000 SF.

PROJECT: Constructs additions to and modernizes four organizational and intermediate maintenance hangars.

REQUIREMENT: Adequately configured upgrade and expansion of maintenance hangars to support mission changes. In addition to three squadrons being commissioned, a realignment of aircraft squadrons between Marine Aviation Groups at New River is being implemented. New weapons, electronics, and mechanical modifications have also been implemented, requiring additional support functions to maintain a high efficiency and quality of workmanship.

CURRENT SITUATION: Facilities are substandard in space configuration, square footage, electrical, mechanical, heating, ventilation, and air conditioning. They were constructed under now obsolete criteria, resulting in functional and overall space deficiencies. Eight squadrons are housed in two hangars with each being forced to operate with approximately 50% of their administrative and maintenance spaces. Some other type facilities have been converted to maintenance spaces. Portable metal buildings without heat or utility connections have been relocated and made into additional maintenance facilities.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA		
4. PROJECT TITLE MAINTENANCE HANGAR MODERNIZATIONS		5. PROJECT NUMBER P-451

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Organizational operations and maintenance will be seriously impaired. New River will not have the capability to support directed mission changes. This situation will have a serious effect on the rotational schedule of the deploying squadrons.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 10-83
- (b) Percent Complete as of January 1986........... 60
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(300)
- (b) All Other Design Costs........................(145)
- (c) Total.. 445
- (d) Contract......................................(430)
- (e) In-house......................................(15)

(4) Construction start........................ 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-410	8. PROJECT COST ($000) 4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	73,800	-	3,600
BUILDING	SF	73,800	47.00	(3,500)
MECHANICAL EQUIPMENT BUILDING.	LS	-	-	(100)
SUPPORTING FACILITIES.	-	-	-	900
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(100)
UTILITIES.	LS	-	-	(350)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(450)
SUBTOTAL	-	-	-	4,500
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,730
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	260
TOTAL REQUEST.	-	-	-	4,990
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete frame building, concrete foundation and floors, masonry walls, built-up roof, double glass windows, air conditioning, fire protection system, utilities; 90 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment.

Grade Mix: 300 E1-E4, 30 E5. Total: 330.

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11. REQUIREMENT: 2,378 PN. ADEQUATE: 2,048 PN. SUBSTANDARD: 487 PN.

PROJECT: Provides adequate billeting for enlisted personnel.

REQUIREMENT: Adequate housing for 330 enlisted personnel in grades E1-E5. Billeting is being provided to support Fleet Marine Force operations.

CURRENT SITUATION: At New River, 330 personnel have been residing off-base, because of a lack of adequate billeting space. Another 150 personnel are residing in inadequate spaces located within 300 yards of the flightline, classified as an aircraft composite noise hazard. These facilities will be converted to other uses as personnel vacate them. This project represents the last scheduled project to upgrade habitability standards for New River personnel which began in 1975.

IMPACT IF NOT PROVIDED: Continued occupancy of inadequate and unsuitable housing which fails to meet minimum living conditions necessary to recruit and retain Marines in an all volunteer environment. Fleet Marine Force operations, readiness, and resources will be impaired.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-410

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started........................... 2-85
- (b) Percent Complete as of January 1986.......... 65
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete......................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (280)
- (b) All Other Design Costs......................... (10)
- (c) Total... 290
- (d) Contract.. (5)
- (e) In-house.. (285)

(4) Construction start......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION CAMP H. M. SMITH, OAHU, HAWAII	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR. COST INDEX 1.34

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	12	267	19	0	20	0	141	411	0	870
b. END FY 19 91	16	227	19	0	0	0	147	378	397	1184

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (420)	22,000
b. INVENTORY TOTAL AS OF 30 SEP 1985	4,610
c. AUTHORIZATION NOT YET IN INVENTORY	2,070
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,370
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,650
g. REMAINING DEFICIENCY	48,600
h. GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730.20	Security Headquarters	LS	500	7-84	6-86
911.10	Land Acquisition	LS	1,570	11-84	6-85
	TOTAL		2,070		

9. Future Projects:

a. Included in following program (FY 88):

610.10	Admin Building	45,670 SF	8,800
740.43	Gymnasium	24,350 SF	3,100
			11,900

b. Major planned next three years:

441.72	Warehouse	14,000 SF	1,750
730.10	Fire Station	3,000 SF	720
730.83	Chapel/Admin/Library	17,850 SF	2,900

10. Mission or Major Functions: Provide personnel, material and services for the maintenance and support of Camp H. M. Smith, Commander-in-Chief, Pacific and Headquarters and Service Battalion, Fleet Marine Force, Pacific, and maintenance, medical, dental and security support for other tenant commands at Camp H.M. Smith; administrative support for Marine Corps personnel on the staff of the Commander-in-Chief, Pacific.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION CAMP H.M. SMITH, OAHU, HAWAII		4. PROJECT TITLE LAND ACQUISITION	
5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 911.10	7. PROJECT NUMBER P-106	8. PROJECT COST ($000) 1,570

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION	LS	-	-	1,180
ACQUISITION.	LS	-	-	(870)
RELOCATION	LS	-	-	(310)
SUPPORTING FACILITIES.	-	-	-	230
FENCING.	LS	-	-	(220)
DEMOLITION	LS	-	-	(10)
SUBTOTAL	-	-	-	1,410
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,480
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	90
TOTAL REQUEST.	-	-	-	1,570
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,570
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Acquisition of interests in approximately 187 acres of land; provide relocation assistance; security fencing; demolition of structures.

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11. REQUIREMENT: As Required.

PROJECT: Acquisition of interests in privately-owned land, formerly leased and utilized as an impact area for high explosive ordnance.

REQUIREMENT: Acquisition and isolation by fencing of 187 acres of formerly leased land which cannot be certified ordnance free is the most appropriate means by which the government can ensure the safety of persons in the area and compensate the owner for fair market value of the land. In 1961, the Marine Corps leased 1,061 acres of privately-owned Waikane Valley property for use as a training area. 187 acres was utilized as an impact area for high explosive ordnance. Prior to 1961, this area was utilized by other services, including WWII use as an air-to-ground ordnance delivery range. The terms of the lease state that upon expiration or termination of the lease, the government must remove all ordnance to return the land to its original condition. Further, the lease holds the government responsible for subsequent loss, claims or demands associated with the detonation of ordnance after the expiration or termination of the lease. In June 1976, the land owner elected to terminate the lease, and an ordnance sweep of the area was conducted with the subsequent Explosive Ordnance Disposal (EOD) report stating the land could never be certified ordnance free.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CAMP H.M. SMITH, OAHU, HAWAII		
4. PROJECT TITLE LAND ACQUISITION		5. PROJECT NUMBER P-106

11. REQUIREMENT: (Continued)
CURRENT SITUATION: Unexploded ordnance in large concentrations exposed by erosion from heavy rains was discovered. An EOD sweep of the area in 1984 resulted in the removal of 16,000 pounds of demilitarized practice ordnance. The EOD report after the sweep concluded that subsurface mechanized clearing of the area was not possible because of terrain and extremely heavy vegetation. The continued erosion of the land by periodic heavy rains continues to uncover buried ordnance.
IMPACT IF NOT PROVIDED: The government will bear the responsibility for ordnance clearing at Waikane Valley indefinitely at an undetermined cost to the taxpayer. The government will also remain liable for unexploded ordnance on the property.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 11-84
(b) Percent Complete as of January 1986........... 100
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 6-85

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (25)
(b) All Other Design Costs......................... (20)
(c) Total.. 45
(d) Contract....................................... (25)
(e) In-house....................................... (20)

(4) Construction start......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR. COST INDEX 0.89

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	230	1966	584	0	5217	0	0	0	0	7997
b. END FY 19 91	324	2166	1062	0	5120	0	0	0	0	8672

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,081)
b. INVENTORY TOTAL AS OF 30 SEP 1985	87,320
c. AUTHORIZATION NOT YET IN INVENTORY	14,830
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,870
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	10,730
g. REMAINING DEFICIENCY	13,730
h. GRAND TOTAL	131,680

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.72	Recruit Battalion Opns Fac	15,390 SF	1,870	6-85	5-86
	TOTAL		1,870		

9. Future Projects:

a. Included in following program (FY 88):

740.43	Recruit Gymnasium	8,430 SF	2,000
740.74	Child Care Center	11,250 SF	1,200
			3,200

b. Major planned next three years:

219.77	Public Works Maint Storage	19,120 SF	2,530
441.12	Organic Unit Storage	129,260 SF	7,100
610.10	Traffic Management Admin Off	LS	1,100

10. Mission or Major Functions: Provide for operation and support of reception and recruit training for both male and female enlisted personnel. Conduct formal school in personnel administration, recruiting, drill instructors, drum and bugle musicians. Conducts rifle marksmanship training for Marines in the southeastern United States and for personnel of other services as requested. Commanding General, MCRD Parris Island, exercises operational control over enlisted recruiting activities in the First, Fourth, and Sixth Marine Corps Districts.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA	4. PROJECT TITLE RECRUIT BATTALION OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
8 57 96 M	610.72	P-018	1,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RECRUIT BATTALION OPERATIONS FACILITY. . . .	SF	15,390	69.00	1,060
SUPPORTING FACILITIES.	-	-	-	670
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(160)
UTILITIES.	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(210)
DEMOLITION	LS	-	-	(200)
SUBTOTAL	-	-	-	1,730
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,820
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,920
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story reinforced concrete frame buildings, pile foundation, concrete floors, masonry walls, built-up roof, fire protection system, air conditioning, utilities; demolition of two buildings.

11. REQUIREMENT: 37,650 SF. ADEQUATE: 9,060 SF. SUBSTANDARD: 5,490 SF.

PROJECT: Constructs two battalion headquarters buildings for the first and second Recruit Training Battalions.

REQUIREMENT: Adequate office spaces for two headquarters group staffs performing administrative and command needs of Marine Recruit Battalions.

CURRENT SITUATION: The two existing headquarters buildings were constructed in 1941. These wood-frame structures erected under the constraints of a wartime building program are, by today's standards, poorly constructed, energy inefficient, and lack the ability to support a modern administrative office providing a working environment conducive to efficient operations. These buildings have exceeded their economic life expectancy.

IMPACT IF NOT PROVIDED: Continue to use present inefficient, improperly configured, substandard facilities, requiring excessive maintenance and operating costs, with an adverse impact on morale.

(Continued on DD 1391)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE -
3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA		
4. PROJECT TITLE RECRUIT BATTALION OPERATIONS FACILITY		5. PROJECT NUMBER P-018

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 6-85
- (b) Percent Complete as of January 1986........... 40
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.............................. 5-86

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (85)
- (b) All Other Design Costs.......................... (70)
- (c) Total.. 155
- (d) Contract... (135)
- (e) In-house... (20)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, SAN DIEGO, CALIFORNIA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX 1.18

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	232	1725	587	0	4625	0	34	255	11	7469
b. END FY 19 91	297	1557	825	0	5448	0	46	270	37	8480

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(432)
b. INVENTORY TOTAL AS OF 30 SEP 1985	38,830
c. AUTHORIZATION NOT YET IN INVENTORY	56,360
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,440
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	13,480
f. PLANNED IN NEXT THREE PROGRAM YEARS	7,400
g. REMAINING DEFICIENCY	6,950
h. GRAND TOTAL	131,460

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.11	Supply Complex	124,000 SF	8,440	9-84	10-86
	TOTAL		8,440		

9. **Future Projects:**

a. Included in following program (FY 88):

721.15	Recruit Barracks	114,600 SF	11,000
722.10	Mess Hall Addition	9,900 SF	2,000
740.74	Child Chare Center	3,000 SF	480
			13,480

b. Major planned next three years:

179.50	Training Course Improvements	LS	1,900
724.12	Bachelor Officer Quarters	LS	5,500

10. **Mission or Major Functions:** Reception and recruit training of enlisted personnel upon their entry into the Marine Corps. Conduct schools to train enlisted men for duty with ship detachments, as drill instructors, field musics, and other schools as directed.

11. **Outstanding pollution and safety deficiencies:** ($000)

a. Air pollution:	0
b. Water pollution:	1,150
c. Occupational safety and health (OSH):	2,800

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE -

3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE SUPPLY COMPLEX

5. PROGRAM ELEMENT 8. 57 96 M	6. CATEGORY CODE 441.11	7. PROJECT NUMBER P-188	8. PROJECT COST ($000) 8,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SUPPLY COMPLEX	SF	124,000	-	4,780
WAREHOUSE.	SF	109,600	32.00	(3,510)
ADMINISTRATION	SF	14,400	88.00	(1,270)
SUPPORTING FACILITIES.	-	-	-	2,990
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,890)
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(740)
SUBTOTAL	-	-	-	7,770
CONTINGENCY (5%)	-	-	-	390
TOTAL CONTRACT COST.	-	-	-	8,160
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	450
TOTAL REQUEST.	-	-	-	8,610
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(1,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story and one two-story reinforced concrete frame buildings, pile foundations, concrete floors, precast concrete walls, built-up roofing; warehouse to have 15 foot clear stacking height, covered walk and loading docks; fire protection system, utilities; demolition of five buildings.

11. REQUIREMENT: 136,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 163,320 SF.

PROJECT: Provides a supply complex including warehousing, administration, servmart, and uniform shop.

REQUIREMENT: Consolidated modern supply complex for more efficient service. Consolidation and automation of warehouse operations to increase the efficiency and control of receiving and storage, provide both economic savings and increased service, and reduce opportunity for fraud, waste, and abuse.

CURRENT SITUATION: Functions are located in 18 substandard, 40-year-old buildings, functionally obsolete, and too dispersed for efficient utilization from an operational standpoint. The existing supply functions are inadequate because of inefficient floor configurations, wasted floor space, low overhead clearances, and no sprinkler fire protection. Consolidation of the functions will result in substantial savings of maintenance dollars. The administrative offices are too remotely located for optimum management of warehouse personnel and operations.

IMPACT IF NOT PROVIDED: Functions will continue on an inefficient basis in inadequate buildings which do not meet fire safety standards.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE SUPPLY COMPLEX		5. PROJECT NUMBER P-188

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................9-84
(b) Percent Complete as of January 1986...........35
(c) Percent Complete as of October 1986...........100
(d) Date Design Complete...........................10-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(685)
(b) All Other Design Costs.........................(170)
(c) Total.. 855
(d) Contract.......................................(820)
(e) In-house.......................................(35)

(4) Construction start......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Materials Handling Equipment, Pallet Racks, Miscellaneous Support Equipment	PMC	1987	1,000

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, TUSTIN, CALIFORNIA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX 1.20

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	28	455	37	57	187	0	458	2816	0	4038
b. END FY 19 91	26	275	39	70	100	0	393	2681	63	3647

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,692)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	48,870
c. AUTHORIZATION NOT YET IN INVENTORY	33,490
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,910
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	17,590
f. PLANNED IN NEXT THREE PROGRAM YEARS	25,570
g. REMAINING DEFICIENCY	15,900
h. GRAND TOTAL	156,330

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116.15	Aircraft Rinse Facility	LS	870	7-85	4-86
143.45	Armory	LS	790	8-85	4-86
441.12	Air Traffic Control Sqdn Fac	24,150 SF	2,450	7-85	6-86
721.11	Bachelor Enlisted Quarters	107,520 SF	10,800	10-85	9-86
	TOTAL		14,910		

9. Future Projects:

a. Included in following program (FY 88):

116.65	Tactical Support Van Pads	LS	1,100
211.06	Hangar Modernization	LS	12,000
610.10	Disbursing Office	LS	290
740.43	Gymnasium	16,800 SF	2,400
740.74	Child Care Center	3,000 SF	1,800
			17,590

10. Mission or Major Functions: Maintain and operate facilities and provide services and materials to support the operation of the Marine Aircraft Wing or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	420

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, TUSTIN, CALIFORNIA		4. PROJECT TITLE AIR TRAFFIC CONTROL SQUADRON FACILITY	
5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 441.12	7. PROJECT NUMBER P-221	8. PROJECT COST ($000) 2,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIR TRAFFIC CONTROL SQUADRON FACILITY. . . .	SF	24,150	-	1,570
MAINTENANCE SHOP	SF	4,150	96.00	(400)
WAREHOUSE.	SF	15,000	40.00	(600)
ADMINISTRATION BUILDING.	SF	5,000	88.00	(440)
BUILT-IN EQUIPMENT	LS	-	-	(130)
SUPPORTING FACILITIES.	-	-	-	690
UTILITIES.	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(520)
SUBTOTAL	-	-	-	2,260
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,370
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	130
TOTAL REQUEST.	-	-	-	2,500
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,450
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three one-story masonry load-bearing wall buildings, concrete foundations and floors, built-up roofs; sound attenuation; fire protection systems, air conditioning, utilities; demolition of one building.

11. REQUIREMENT: 204,470 SF. ADEQUATE: 52,820 SF. SUBSTANDARD: 51,210 SF.

PROJECT: Provides electronic and communications maintenance, storage, and administrative facilities for Marine Air Traffic Control Squadron 38 (MATCS-38).

REQUIREMENT: Adequate facilities for MATCS-38 to support the 3d Marine Aircraft Wing (3d MAW) with a deployable capability to control air traffic during training and combat operational exercises, and communication and electronic maintenance for the 3d MAW headquarters.

CURRENT SITUATION: MATCS-38 headquarters is located in a building shared with the Navy calibration laboratory. The building is insufficient in size to meet requirements. The equipment maintenance area is separated from the administrative offices by over a mile and from the equipment storage area by over three miles. Vehicle maintenance on 19 mobilizers, specialized equipment to move large electronics vans, and 37 trailers is done in the building shared with the Navy. The electronic and communication maintenance facility maintains approximately 57 generators, 57 equipment cooling units, nine converters and alternators, and nine aircraft radar units. Insufficient warehouse space results in some items being stored outdoors.

(Continued on DD 1391c)

DD FORM 1 DEC 76 1391

U.S. Government Printing Office: 1984

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, TUSTIN, CALIFORNIA		
4. PROJECT TITLE AIR TRAFFIC CONTROL SQUADRON FACILITY		5. PROJECT NUMBER P-221

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: MATCS-38 will remain spread out in three areas, sharing some of their facilities with other activities. The lack of centralized facilities, long transient times to move equipment to and from storage will continue to hamper squadron maintenance efforts, adversely effecting operational readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started........................... 7-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(125)
(b) All Other Design Costs.........................(70)
(c) Total... 195
(d) Contract.......................................(180)
(e) In-house.......................................(15)

(4) Construction start........................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, TUSTIN, CALIFORNIA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-141	8. PROJECT COST ($000) 10,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	107,520	70.00	7,530
SUPPORTING FACILITIES.	-	-	-	2,250
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(860)
ELECTRICAL UTILITIES	LS	-	-	(350)
MECHANICAL UTILITIES	LS	-	-	(350)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(450)
DEMOLITION	LS	-	-	(240)
SUBTOTAL	-	-	-	9,780
CONTINGENCY (5%)	-	-	-	490
TOTAL CONTRACT COST.	-	-	-	10,270
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	560
TOTAL REQUEST.	-	-	-	10,830
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	10,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two four-story reinforced concrete frame buildings, concrete floors and foundations, masonry walls, built-up roofs, fire protection system, air conditioning, utilities, sound attenuation; 140 two-bedroom modules with private bathroom, lounges, laundry, storage, vending, mechanical equipment; demolition of two buildings.

Grade mix: 560 E1-E4. Total: 560.

11. REQUIREMENT: 1,872 PN. ADEQUATE: 1,005 PN. SUBSTANDARD: 720 PN.

PROJECT: Provides adequate billeting for enlisted personnel.

REQUIREMENT: Adequate housing for 560 enlisted personnel in grades E1-E4.

CURRENT SITUATION: Forty-seven percent of the single enlisted Marines at Tustin are billeted in substandard quarters that do not meet habitability requirements. The substandard billeting is comprised of 40 year-old open-squad-bay barracks with communal heads and showers.

IMPACT IF NOT PROVIDED: Adequate billeting will not be available for all enlisted personnel. Continued occupancy of substandard quarters which fail to meet "minimum standards of adequacy" will be necessary, adversely affecting the retention of personnel. The health and morale of Marines occupying substandard quarters is further accentuated when they work with other Marines who occupy quarters which meet standards of adequacy.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, TUSTIN, CALIFORNIA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-141

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started............................	10-85
(b)	Percent Complete as of January 1986...........	35
(c)	Percent Complete as of October 1986...........	100
(d)	Date Design Complete...........................	9-86

(2) Basis:

(a) Standard or Definitive Design: Yes___ No X

(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications........	(370)
(b)	All Other Design Costs.........................	(40)
(c)	Total..	410
(d)	Contract.......................................	(375)
(e)	In-house.......................................	(35)

(4) Construction start......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR. COST INDEX 1.18

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	125	1277	457	25	2662	0	363	4186	390	9485
b. END FY 19 91	194	1246	555	30	2431	0	514	6261	307	11618

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(595,590)
b. INVENTORY TOTAL AS OF 30 SEP 1985	124,840
c. AUTHORIZATION NOT YET IN INVENTORY	55,950
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	37,630
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	44,170
f. PLANNED IN NEXT THREE PROGRAM YEARS	89,930
g. REMAINING DEFICIENCY	6,950
h. GRAND TOTAL	359,470

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	Combined Arms Trainer Fac	10,430 SF	1,280	6-84	3-86
214.51	Orgn Auto Maintenance Shop	66,200 SF	9,820	9-85	9-86
610.72	Regmt Bn Operations Center	47,140 SF	3,930	8-85	9-86
721.11	Bachelor Enlisted Quarters	295,440 SF	22,600	7-85	8-86
	TOTAL		37,630		

9. Future Projects:

a. Included in following program (FY 88):

143.45	Armory	LS	400
171.17	Audiovisual Training Fac	28,480 SF	5,000
179.40	Rifle Range Improvements	LS	2,000
212.20	Phy Secur Hard Tow Missile	LS	370
217.10	Elec & Comm Maint Fac	102,370 SF	7,900
721.11	Bachelor Enlisted Quarters	218,880 SF	21,070
722.10	Mess Hall Conversion	LS	2,680
730.20	Provost Marshal Building	7,030 SF	3,150
740.74	Child Care Center	13,480 SF	1,600
			44,170

10. Mission or Major Functions: Provide housing, training facilities, logistical, and administrative support for Fleet Marine Force units and other units assigned. Operate the Communication-Electronics School, and administer and conduct the air-ground training program for combined training of Fleet Marine Force units, both active and reserve.

Communication-Electronics School	Marine Divisional Units
Force Service Support Group Detachment	

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
MARINE CORPS AIR-GROUND COMBAT CENTER,
TWENTYNINE PALMS, CALIFORNIA

4. PROJECT TITLE
COMBINED ARMS TRAINER FACILITY

5. PROGRAM ELEMENT
2 64 96 M

6. CATEGORY CODE
171.35

7. PROJECT NUMBER
P-377

8. PROJECT COST ($000)
1,280

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBINED ARMS TRAINER FACILITY	SF	10,430	-	1,010
BUILDING	SF	10,430	94.00	(980)
BUILT-IN EQUIPMENT	LS	-	-	(30)
SUPPORTING FACILITIES.	-	-	-	190
UTILITIES.	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(110)
SUBTOTAL	-	-	-	1,200
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,260
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,330
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,280
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, masonry walls, built-up roof on insulation over metal decking; computer flooring, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 10,430 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs building to house a combined arms tactical trainer.

REQUIREMENT: Adequately configured facility for the combined arms tactical trainer which exhibits the actual terrain and equipment as a scale-model of the combat training areas of the combat center. The combined arms tactical trainer will be utilized by ten regimental staffs annually to practice tactics prior to being used by actual Marine forces during live-fire exercises at the combat center.

CURRENT SITUATION: Battlefield simulations to practice exercise tactics are currently tested and rehearsed in an open lot. Terrain simulation is accomplished using hand tools in the dirt. This is poor simulation, prone to many errors, and subjects the model as well as the actual class to the ravages of the weather. It is also a poor substitute for the topographically correct terrain model being made by the Navy Training and Equipment Center.

IMPACT IF NOT PROVIDED: Outdoor tactical mission simulation, instruction, and evaluation will continue. Tactical unit leaders will be deprived of the benefit of a topographically correct terrain board. Units will be forced to learn and test tactics in actual exercises vice a classroom environment.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA		
4. PROJECT TITLE COMBINED ARMS TRAINER FACILITY		5. PROJECT NUMBER P-377

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 6-84
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 3-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(80)
(b) All Other Design Costs........................(85)
(c) Total... 165
(d) Contract......................................(145)
(e) In-house......................................(20)

(4) Construction start........................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	4. PROJECT TITLE ORGANIZATIONAL AUTOMOTIVE MAINTENANCE SHOP

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 214.51	7. PROJECT NUMBER P-360	8. PROJECT COST ($000) 9,820

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ORGANIZATIONAL AUTOMOTIVE MAINTENANCE SHOP .	SF	66,200	-	6,050
BUILDINGS.	SF	54,840	65.00	(3,560)
SHOP ADDITIONS	SF	11,360	65.00	(740)
BUILDING ALTERATIONS	LS	-	-	(110)
COVERED MAINTENANCE PADS	LS	-	-	(1,400)
VEHICLE WASH PLATFORM AND CRANE.	LS	-	-	(240)
SUPPORTING FACILITIES.	-	-	-	3,190
ELECTRICAL UTILITIES	LS	-	-	(810)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT, DEMOLITION. . .	LS	-	-	(2,260)
SUBTOTAL	-	-	-	9,240
CONTINGENCY (5%)	-	-	-	460
TOTAL CONTRACT COST.	-	-	-	9,700
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	530
TOTAL REQUEST.	-	-	-	10,230
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	9,820
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three steel frame buildings, concrete walls, floors and foundations, built-up roof on rigid insulation over metal decking, fire protection system, air conditioning, evaporative cooling, utilities; additions on two buildings; building alterations including 2nd floor removal and overhead crane system extension; sun-sheltered maintenance pads; wash stand with crane; demolition of six buildings and one wash stand.

11. REQUIREMENT: 123,710 SF. ADEQUATE: 57,510 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides organizational automotive maintenance shops, electronic and communication shop, and unit organic storage for the Light Armored Assault Vehicle (LAAV) Battalion, and additional organizational automotive maintenance shop for the Amphibious Assault Vehicle (AAV) Company, and maintenance and storage facilities for the Equipment Allowance Pool (EAP) used exclusively in the conduct of the combined arms exercises.

REQUIREMENT: Adequate maintenance shop facilities to accommodate the prescribed maintenance programs. These shops and storage spaces are used at the unit level for maintaining and testing equipment and vehicles. Expansion of facilities is necessary because an additional LAAV Battalion will form in 1986. Organic equipment to be used by this battalion includes 108 assault vehicles and electronic and communication support equipment. The AAV Company has been expanded and maintains 48 amphibious tractors and 12 tracked supporting vehicles. The EAP training commitment has doubled and maintains 556 pieces of equipment.

(Continued on DD 1391c)

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA		
4. PROJECT TITLE ORGANIZATIONAL AUTOMOTIVE MAINTENANCE SHOP	5. PROJECT NUMBER P-360	

11. REQUIREMENT: (Continued)
CURRENT SITUATION: No maintenance facilities exist which can support the assignment of new units. Participation in combined arms exercises have doubled in size with no reduction in frequency. Existing facilities are barely adequate to support the original training loads, the larger training load will require support to achieve maximum benefit from combat center training exercises.
IMPACT IF NOT PROVIDED: Shops that are too small, inefficient, and not properly configured will continue to be used. Reliability of the equipment will decrease and the useful life will be shortened.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 9-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (530)
(b) All Other Design Costs......................... (190)
(c) Total.. 720
(d) Contract....................................... (700)
(e) In-house....................................... (20)

(4) Construction start......................... 3-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA		4. PROJECT TITLE REGIMENTAL BATTALION OPERATIONS CENTER	
5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 610.72	7. PROJECT NUMBER P-243	8. PROJECT COST ($000) 3,930

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REGIMENTAL BATTALION OPERATIONS CENTER . . .	SF	47,140	-	3,290
BUILDINGS.	SF	25,020	83.00	(2,080)
BUILDING ADDITION.	SF	2,830	91.00	(260)
BUILDING ALTERATIONS	SF	19,290	49.00	(950)
SUPPORTING FACILITIES.	-	-	-	260
UTILITIES.	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(160)
SUBTOTAL	-	-	-	3,550
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,730
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	210
TOTAL REQUEST.	-	-	-	3,940
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,930
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story and one two-story building, and one building addition, all reinforced concrete frame, concrete foundations and floors, tinted thermo-pane glazed vertical ribbon wall panels, built-up roof, suspended ceilings, emergency power; alterations to three buildings; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 78,380 SF. ADEQUATE: 31,240 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides headquarters and operational facilities.

REQUIREMENT: Adequate, secure, and environmentally controlled office spaces for the Light Armored Assault Battalion (LAAB), Headquarters Company, four line companies, a Towed Artillery Battalion Headquarters Battery and four firing batteries, a headquarters battalion, Marine Corps Air-Ground Combat Center Headquarters Company, two companies, and the 27th Marine Regimental Headquarters. The 27th Marine Regiment was activated in 1981 without designated facilities. The Twentynine Palms Headquarters Battalion was forced to move into inadequate spaces as the command staff increased. The LAAB Battalion was established without suitable facilities. The administrative units of the 4th Battalion, 11th Marines will move into the proposed one story building. The two-story building will house the 27th Marine Regiment now located in a former mess hall. The building addition will provide LAAB Battalion and Company administrative spaces for a number of units, including the 7th Amphibious Brigade.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA		
4. PROJECT TITLE REGIMENTAL BATTALION OPERATIONS CENTER		5. PROJECT NUMBER P-243

11. REQUIREMENT: (Continued)
CURRENT SITUATION: The regimental headquarters is located in a trailer too small for their needs. MCAGCC Headquarters Battalion personnel are fragmented in four separated locations. The infantry battalion is located in several scattered buildings. There are no spaces for the two new battalion headquarters.
IMPACT IF NOT PROVIDED: Assignment of three battalions to the combat center can only be accommodated under field conditions. To accommodate the 155 Towed Gun Battalion and the Light Armored Assault Venicle Battalion will require the use of interim facilities. The overcrowded inadequate facilities for the infantry battalion and the combat center headquarters battalion will continue in use.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 8-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (175)
(b) All Other Design Costs........................ (95)
(c) Total... 270
(d) Contract...................................... (260)
(e) In-house...................................... (10)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA		4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	
5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-235	8. PROJECT COST ($000) 22,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	295,440	61.00	18,020
SUPPORTING FACILITIES	-	-	-	2,540
ELECTRICAL UTILITIES	LS	-	-	(140)
MECHANICAL UTILITIES	LS	-	-	(450)
PAVING & SITE IMPROVEMENT, DEMOLITION . .	LS	-	-	(1,950)
SUBTOTAL	-	-	-	20,560
CONTINGENCY (5%)	-	-	-	1,030
TOTAL CONTRACT COST.	-	-	-	21,590
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,190
TOTAL REQUEST.	-	-	-	22,780
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	22,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four-story reinforced concrete frame buildings, concrete foundation, precast concrete floors, masonry walls, built-up roofing, fire protection system, evaporative cooling, utilities; 384 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; four playing courts; demolition of 12 buildings.

Grade mix: 992 E1-E4, 80 E5, 96 E6-E9. Total: 1,168.

11. REQUIREMENT: 7,195 PN. ADEQUATE: 4,140 PN. SUBSTANDARD: 1,450 PN.

PROJECT: Provides adequate billeting for enlisted personnel.

REQUIREMENT: Adequate housing for 1,168 enlisted personnel in grades E1-E9. The billeting space is necessary to offset the increase in enlisted personnel resulting from the arrival of a permanently assigned 7th Marine Amphibious Brigade (MAB).

CURRENT SITUATION: This is a new mission. Adequate quarters exist for 57% of the center's bachelor enlisted personnel, with the remainder living in open-squad-bay barracks. There is a deficiency of 3,055 adequate billeting spaces at the center.

IMPACT IF NOT PROVIDED: Adequate billeting will not be available for enlisted personnel. Overcrowding and continued occupancy of inadequate quarters. Minimum living conditions necessary to recruit and retain Marines in the "all volunteer" environment will persist. The overcrowded living conditions will continue to adversely affect morale.

(Continued on DD 1391c)

S/N 0102-LF-001-3910
U.S. Government Printing Office: 1984—

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-235

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................. 7-85
- (b) Percent Complete as of January 1986........... 40
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 8-86

(2) Basis:
- (a) Standard or Definitive Design: Yes X No ____
- (b) Where Design Was Most Recently Used: Site Adaptation, BEQ MCAGCC Twentynine Palms

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (645)
- (b) All Other Design Costs......................... (175)
- (c) Total... 820
- (d) Contract...................................... (800)
- (e) In-house...................................... (20)

(4) Construction start......................... 3-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR COST INDEX 1.31

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	147	1484	269	190	32	0	271	2510	364	5267
b. END FY 1991	165	966	543	327	1125	0	468	3568	397	7559

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (462,597)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	106,850
c. AUTHORIZATION NOT YET IN INVENTORY	39,760
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,860
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,550
f. PLANNED IN NEXT THREE PROGRAM YEARS	15,800
g. REMAINING DEFICIENCY	32,790
h. GRAND TOTAL	211,610

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116.65	Tactical Support Van Pads	20,560 SY	1,870	2-85	6-86
143.45	Armory	LS	640	8-85	6-86
211.06	Maintenance Hangars Addns	19,000 SF	2,650	9-85	4-86
211.21	Engine Maint Fac Modns	LS	300	8-85	10-86
441.12	Marine Air Control Sqdn Fac	43,850 SF	2,950	-	-
610.10	Battalion Headquarters	17,750 SF	0*	8-84	12-85
610.10	Construction Management Fac	LS	450	8-85	8-86
	TOTAL		8,860		

* Prior-year authorization, $2,050,000 funding requested in this program.

9. Future Projects:

a. Included in following program (FY 88):

116.10	A/C Corrosion Control Fac	1,610 SY	1,050
131.15	Communications Center	LS	830
211.05	Hangar Modernization	LS	2,300
441.10	Aviation Supply Warehouse	41,000 SF	3,370
			7,550

b. Major planned next three years:

421.12	Ordnance Storage Magazines	15,000 SF	15,800

10. Mission or Major Functions: Provide facilities, services, and material necessary to support major operating elements of a Marine Aircraft Wing, including aircraft maintenance, air-traffic control, and aviation ordnance handling.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA	4. PROJECT TITLE TACTICAL SUPPORT VAN PADS

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 116.65	7. PROJECT NUMBER P-393	8. PROJECT COST ($000) 1,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TACTICAL SUPPORT VAN PADS.	SY	20,560	-	1,110
PADS, ROADS, PARKING	SY	17,560	39.00	(680)
TRAILER STORAGE AREA	SY	3,000	27.00	(80)
STORAGE AND SUPPORT BUILDINGS.	SF	6,350	52.00	(330)
SENTRY BOOTH	SF	70	267.00	(20)
SUPPORTING FACILITIES.	-	-	-	570
UTILITIES.	LS	-	-	(570)
SUBTOTAL	-	-	-	1,680
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,760
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	110
TOTAL REQUEST.	-	-	-	1,870
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Portland cement concrete pads, asphaltic concrete parking area and access road; steel frame and concrete buildings, concrete foundations and floors, masonry walls; 400 Hz electric power; equipment and hazardous and flammable storage, fencing; fire protection system, evaporative coolers, utilities.

11. REQUIREMENT: 20,560 SY. ADEQUATE: 0 SY. SUBSTANDARD: 0 SY.

PROJECT: Provides van pads, storage area, access roads, upgraded utilities, and security for mobile maintenance vans to support the AV-8B aircraft assignment.

REQUIREMENT: Adequate facility capabilities to support the AV-8B aircraft assignment. Prepared van pads and support facilities for vans, modular, deployable maintenance, and supply work spaces for the AV-8B aircraft arriving in 1988. The vans will enhance deployability and eliminate redundancy in work space by having only one work space for both garrison and deployed training and combat operations; plus comply with the Navy's goals to containerize all shipping.

CURRENT SITUATION: No facilities are available to satisfy this requirement and new mission. The van complex will reduce the stations shortfall of hangar space by not requiring shop space in a hanger to support aircraft maintenance functions.

IMPACT IF NOT PROVIDED: Unless Yuma has the capability of providing support for this new aircraft assignment, reduced efficiency and productivity will directly effect these tactical units.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA		
4. PROJECT TITLE TACTICAL SUPPORT VAN PADS		5. PROJECT NUMBER P-393

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 2-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(30)
(b) All Other Design Costs.........................(25)
(c) Total... 55
(d) Contract......................................(15)
(e) In-house......................................(40)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA		4. PROJECT TITLE MAINTENANCE HANGARS ADDITIONS	
5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 211.06	7. PROJECT NUMBER P-396	8. PROJECT COST ($000) 2,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGARS ADDITIONS	SF	19,880	-	2,190
BUILDINGS ADDITIONS	SF	19,880	97.00	(1,930)
BUILT-IN EQUIPMENT	LS	-	-	(260)
SUPPORTING FACILITIES	-	-	-	250
UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(140)
SUBTOTAL	-	-	-	2,440
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST	-	-	-	2,560
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	140
TOTAL REQUEST	-	-	-	2,700
REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	2,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three one-story steel frame building additions, concrete foundations and floors, masonry and metal panel walls, built-up roof, 400 Hz electric power supply, compressed air system, fire protection system, air conditioning, evaporative cooling, utilities; demolition of five buildings.

11. REQUIREMENT: 175,360 SF. ADEQUATE: 73,400 SF. SUBSTANDARD: 24,080 SF.

PROJECT: Constructs maintenance hangars additions to support an AV-8B squadron and provide maintenance and administrative spaces to support operations of the Aircraft Intermediate Maintenance Department (AIMD) and the Headquarters and Maintenance Squadron (H&MS) maintenance department.

REQUIREMENT: Adequate maintenance and administrative spaces to support the transition in 1987 to the AV-8B aircraft for a 20 airplane squadron. Facilities for intermediate level maintenance support for all of Yuma's 128 aircraft, including 83 permanently assigned tactical aircraft representing four different types, plus an average census of 45 temporarily assigned aircraft representing 15 different types, and combined maintenance support, organizational and intermediate for the station's search and rescue helicopters and logistical support aircraft.

CURRENT SITUATION: The squadron designated to receive the AV-8B is currently occupying a hangar constructed in 1961 and three 40 year-old metal buildings. The configuration and space available are totally inadequate and unable to provide the necessary operational integrity and the support capabilities for the AV-8B aircraft. The AIMD and H&MS units

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA		
4. PROJECT TITLE MAINTENANCE HANGARS ADDITIONS		5. PROJECT NUMBER P-396

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
occupy deteriorated buildings that do not provide the centralized space necessary to efficiently run an intermediate maintenance activity.
IMPACT IF NOT PROVIDED: The squadron will be unable to transition to the AV-8B and continue to maintain pilot proficiency and aircraft readiness. The intermediate maintenance activities will be required to utilize spaces normally occupied by squadrons deployed to Yuma. This reduction in available space for deployed units will reduce the capability of Yuma to train air crews in all phases of aviation weapons system employment. This will directly affect both Navy and Marine Corps pilot combat readiness. Should they remain in the same spaces, they would be unable to handle the workload resulting from the arrival of the AV-8B, reducing aircraft material readiness and eventually reducing pilot proficiency.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 8-85
(b) Percent Complete as of January 1986............ 35
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete............................ 4-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(70)
(b) All Other Design Costs..........................(80)
(c) Total.. 150
(d) Contract..(115)
(e) In-house..(35)

(4) Construction start........................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA	4. PROJECT TITLE MARINE AIR CONTROL SQUADRON FACILITY

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 441.12	7. PROJECT NUMBER P-407	8. PROJECT COST ($000) 2,950*

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MARINE AIR CONTROL SQUADRON FACILITY	SF	43,850	-	2,220
WAREHOUSE SPACE.	SF	37,070	40.00	(1,470)
ADMINISTRATIVE SPACE	SF	6,780	106.00	(720)
BUILT-IN EQUIPMENT	LS	-	-	(30)
SUPPORTING FACILITIES.	-	-	-	520
UTILITIES.	LS	-	-	(210)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(310)
SUBTOTAL	-	-	-	2,740
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,880
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,040
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

* Proposed for turnkey one-step (design and construction) procurement.

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, masonry walls, built-up roof, security alarms, shielding, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 77,880 SF. ADEQUATE: 34,030 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs equipment staging facility at a remote desert training site for Marine Air Control Squadron 7 (MACS-7) and the 2nd Light Anti-Aircraft Missile Battalion (2nd LAAMBn).

REQUIREMENT: Adequate facilities at the desert training site and missile firing range to support training and live fire operations of MACS-7 and 2nd LAAMBn.

CURRENT SITUATION: The facilities which support operations at the desert training site are seven miles from the facility at Yuma. Only 68% of MACS-7 and 79% of the 2nd LAAMBn facility requirements are being met. Training at the desert training site is hindered by the distance between the site and support facilities.

IMPACT IF NOT PROVIDED: The lack of adequate facility support space will make it impossible for the station to maintain the required 30-day supply of on-hand equipment to support training operations. Separation of support facilities and operations will impose a high in-transit time to support operations. The cumulative effect will be reduced operational readiness.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA		
4. PROJECT TITLE MARINE AIR CONTROL SQUADRON FACILITY		5. PROJECT NUMBER P-407

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. *
(b) Percent Complete as of January 1986.............. *
(c) Percent Complete as of October 1986.............. *
(d) Date Design Complete.............................. *

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (*)
(b) All Other Design Costs.......................... (*)
(c) Total.. *
(d) Contract... (*)
(e) In-house... (*)

(4) Construction start......................... 5-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

* Turnkey one-step (design and construction) procurement.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA	4. PROJECT TITLE BATTALION HEADQUARTERS

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-408	8. PROJECT COST ($000) AUTH: 0* APPR: 2,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BATTALION HEADQUARTERS	SF	17,750	-	1,570
BUILDING	SF	17,750	82.00	(1,460)
BUILT-IN EQUIPMENT	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	330
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(20)
ELECTRICAL UTILITIES	LS	-	-	(80)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	1,900
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	110
TOTAL REQUEST	-	-	-	2,100
REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	2,050
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

* 2,050,000 authorized in FY 1986 Program.

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roofing on rigid insulation over metal decking, fire protection system, air conditioning, utilities; water well improvements and storage tank; fuel oil storage tank.

11. REQUIREMENT: 106,620 SF. ADEQUATE: 35,660 SF. SUBSTANDARD: 30,940 SF.

PROJECT: Constructs a battalion headquarters building for the 2d LAAMBN/MACS-7 personnel.

REQUIREMENT: Adequate working space in a headquarters building located in the proximity of the operations functions, eliminating logistics and control problems. Remove non-aircraft orientated functions from the station's flightline area.

CURRENT SITUATION: The existing departmental administration areas are seperated from their operational areas by approximately seven miles. The 2d LAAMBN is housed in a substandard structure, over 40 years old, which provides 73% of the total requirement, while MACS-7 is operating from a structure that provides only 53% of the total requirement. Both of the facilities are located in the station's flightline area and are using much needed facilities space from aircraft orientated operational assignments.

IMPACT IF NOT PROVIDED: Operations will remain status quo with continued compromising of the station's flightline operations and departmental integrity.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA		
4. PROJECT TITLE BATTALION HEADQUARTERS		5. PROJECT NUMBER P-408

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 8-84
(b) Percent Complete as of January 1986........... 100
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 12-85

(2) Basis:
(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: ____

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.........(85)
(b) All Other Design Costs.........................(80)
(c) Total.. 165
(d) Contract.......................................(145)
(e) In-house.......................................(20)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

SPACE AND NAVAL WARFARE SYSTEMS COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
SPACE AND NAVAL WARFARE SYSTEMS COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NAVELECSYSENGCEN Portsmouth, VA	311	Electronics Systems Integration & Support Facility	$ 1,870	$ 1,870	188
		Subtotal	1,870	1,870	
TOTAL - SPACE AND NAVAL WARFARE SYSTEMS COMMAND			1,870	1,870	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL ELECTRONICS SYSTEMS ENGINEERING CENTER, PORTSMOUTH, VIRGINIA	4. COMMAND SPACE AND NAVAL WARFARE SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	3	9	434	0	0	49	4	18	0	517
b. END FY 19 91	3	10	525	0	0	60	4	18	0	620

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NSY
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	3,260
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,870
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	11,400
g. REMAINING DEFICIENCY	12,300
h. GRAND TOTAL	28,830

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
390.17	Electronics Sys Integ and Supp Fac	21,060 SF	1,870	9-85	9-86
	TOTAL		1,870		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

313.25	Communications Sys Center	28,500 SF	2,000
313.25	Flt Communications Supp Ctr	38,700 SF	3,600
317.10	Production Engineer Supp Ctr	LS	5,800

10. Mission or Major Functions: Provide professional engineering and technical support in the procurement of electronic equipment for the Navy. Provide direct engineering and technical support to the fleet in the design, modification, installation and maintenance engineering of electronic equipment in existing and planned fleet programs.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL ELECTRONICS SYSTEMS ENGINEERING CENTER, PORTSMOUTH, VIRGINIA	4. PROJECT TITLE ELECTRONICS SYSTEMS INTEGRATION AND SUPPORT FACILITY

5. PROGRAM ELEMENT 7 80 12 N	6. CATEGORY CODE 390.17	7. PROJECT NUMBER P-311	8. PROJECT COST ($000) 1,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS SYSTEMS INTEGRATION & SUPPORT FAC	SF	21,060	-	1,410
BUILDING ADDITION.	SF	10,310	73.00	(750)
BUILDING ALTERATIONS	SF	10,750	56.00	(600)
BUILT-IN EQUIPMENT	LS	-	-	(60)
SUPPORTING FACILITIES.	-	-	-	310
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(60)
UTILITIES.	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(120)
SUBTOTAL	-	-	-	1,720
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,810
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,910
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building addition, concrete floor, pile foundation, built-up roof, computer flooring; building alterations and renovation including roof; elevator, intrusion detection system; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 21,060 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides building addition and renovations for an electronic warfare systems integration and a cover and deception/special intelligence facility at St. Juliens Creek.

REQUIREMENT: Adequate space to develop, evaluate, and test electronic warfare (EW) equipment, make modifications and field changes, and do configuration management programs and life-cycle support for shipboard equipment and systems. By 1988, at least 300 combat ships will need totally integrated EW systems. These systems must have been previously integrated and proven operational prior to being delivered to insure ship survival in current threat environments. Inadequate test-bed facilities will adversely affect the fleet's ability to maintain these systems and result in reduced operational availability through excessive troubleshooting and logistic delays. The method used to date of installing and integrating individual equipment on each ship and then testing the system until it performs has proven to be an unsatisfactory approach and will get worse as EW systems evolve to greater complexity.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL ELECTRONICS SYSTEMS ENGINEERING CENTER, PORTSMOUTH, VIRGINIA		
4. PROJECT TITLE ELECTRONICS SYSTEMS INTEGRATION AND SUPPORT FACILITY		5. PROJECT NUMBER P-311

11. REQUIREMENT: (Continued)

CURRENT SITUATION: An electronics warfare integration and cover and deception/special intelligence facility does not exist. Review of EW deficiencies and inadequacies consistently identifies the need for controlled systems integration in order to get the proper return from extensive investment in EW equipment development and procurement. Equipment to outfit and operate the proposed facility will be relocated from various other sources.

IMPACT IF NOT PROVIDED: The fleet will not be supported with adequately engineered and validated EW design packages to meet ship construction schedules. Navy will relinquish control over the costs and schedules for EW equipment engineering design and installations, and lose the capability for early validation of logistics support and design of necessary improvements.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 9-85
- (b) Percent Complete as of January 1986.......... 40
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete......................... 9-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (80)
- (b) All Other Design Costs........................ (30)
- (c) Total... 110
- (d) Contract...................................... (95)
- (e) In-house...................................... (15)

(4) Construction start......................... 8-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

CHIEF OF NAVAL OPERATIONS

FY 1987 MILITARY CONSTRUCTION PROGRAM
CHIEF OF NAVAL OPERATIONS INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NAVACAD Annapolis, MD	153	Educational Computer Center	$ 2,260	$ 2,260	184
	181	Fire Station	400	400	773
		Subtotal	2,660	2,660	
NAVTACTINTEROPER-SUPPACT Long Beach, CA	003	Tactical Data Systems Support Facility	510	510	763
		Subtotal	510	510	
NARDAC Norfolk, VA	625	Data Processing Center	0	9,330	189
		Subtotal	0	9,330	
NAVLEGSERVOFF Norfolk, VA	645	Naval Legal Service Building Addition	1,080	1,080	193
		Subtotal	1,080	1,080	
NAVLEGSERVOFFDET Oceana, VA	614	Legal Services Office	540	540	781
		Subtotal	540	540	
CMDTNAVDIST Washington, DC	289	White House Support Complex	24,000	24,000	197
	218	Bachelor Enlisted Quarters Modernization	2,000	2,000	199
		Subtotal	26,000	26,000	
TOTAL - CHIEF OF NAVAL OPERATIONS			30,790	40,120	

READEX FICHE

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL ACADEMY, ANNAPOLIS, MARYLAND	4. COMMAND CHIEF OF NAVAL OPERATIONS	5. AREA CONSTR. COST INDEX 1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	393	102	1966	4500	0	0	0	0	0	6961
b. END FY 1991	427	96	1966	4500	0	0	0	0	0	6989

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,747)	
b. INVENTORY TOTAL AS OF 30 SEP 1985		211,820
c. AUTHORIZATION NOT YET IN INVENTORY		39,400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,660
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		21,000
g. REMAINING DEFICIENCY		32,000
h. **GRAND TOTAL**		306,880

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171.20	Educational Computer Center	37,880SF	2,260	9-85	6-86
730.10	Fire Station	LS	400	6-85	12-85
	TOTAL		2,660		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

171.10	Humanities Classrooms	LS	5,200
441.10	General Warehouse	LS	2,500
724.11	Bancroft Hall Modernization	LS	8,300
730.80	Employees Parking Building	LS	5,000

10. Mission or Major Functions: Prepare young people morally, mentally, and physically to be professional officers in the Naval Service.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL ACADEMY, ANNAPOLIS, MARYLAND	4. PROJECT TITLE EDUCATIONAL COMPUTER CENTER

5. PROGRAM ELEMENT 8 58 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-153	8. PROJECT COST ($000) 2,260

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
EDUCATIONAL COMPUTER CENTER.	SF	37,880	-	1,990
BUILDING ALTERATIONS	SF	37,880	49.00	(1,860)
BUILT-IN EQUIPMENT	LS	-	-	(130)
SUPPORTING FACILITIES.	-	-	-	100
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	2,090
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,190
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,310
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,260
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(6,800)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building alterations and modernization including raised flooring, partitioning providing offices and classrooms, elevator, 500 KVA transformer, interior utility and air conditioning systems up-grade, fire protection system.

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11. REQUIREMENT: 37,880 SF. ADEQUATE: 0 SF. SUBSTANDARD: 37,880 SF.

PROJECT: Modernizes Ward Hall, including internal rearrangements, for proper configuration to support computer operations and programming, energy conservation measures, and partial replacement of the interior electrical and mechanical systems.

REQUIREMENT: Adequate and properly-configured space for necessary computer operations and programming spaces. Two separate computer functions, administrative and student, are to be accommodated. Efficient and effective administration of the 4,600 midshipmen student body requires administrative computer equipment, programming, and office space. One-third of this operation requires the use of computers to record, retain, edit, and make available to competent users important information on the midshipmen and on operations of the campus, including fiscal, personnel, and educational matters. Two-thirds will be used to house a main-frame and peripheral equipment for student use of computers in classwork requiring large amounts of computation. The spaces will include terminals for data and graphics production. These facilities are expected to be used every day during the week, much the same as a library. Through acquisition of personal computers

(Continued on DD 1391c)

U.S. Government Printing Office: 1984—[illegible]

1. COMPONENT NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION NAVAL ACADEMY, ANNAPOLIS, MARYLAND

4. PROJECT TITLE EDUCATIONAL COMPUTER CENTER

5. PROJECT NUMBER P-153

11. REQUIREMENT: (Continued)
and central computers with terminals in Ward Hall, the ultimate goal is to utilize computers in laboratories, special terminal rooms, and midshipmen's living quarters. Twenty percent of the classes require use of computers, and this is expected to increase to ninety percent in a very few years.

CURRENT SITUATION: Half of Ward Hall was formerly used as the athletic department's administrative office. Though Ward Hall is not classified as a historical structure, it is of sound construction, with granite exterior. Built in 1941, it is expected to remain in useful service for the forseeable future. The building is structurally satisfactory for installing main and central processing units and terminals, providing individual rooms for student use, and for instruction of midshipmen, staff, and faculty in the use of computers. At this time, all that is needed is interior utility work and alterations of the space to provide adequate administrative, programming, and computer spaces for administration and student functions.

IMPACT IF NOT PROVIDED: Continue to use small, inadequate, and poorly equipped administrative and computer spaces fragmented in several areas of the academy.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 9-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (115)
- (b) All Other Design Costs......................... (110)
- (c) Total.. 225
- (d) Contract....................................... (210)
- (e) In-house....................................... (15)

(4) Construction start........................ 11-86
(month and year)

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL ACADEMY, ANNAPOLIS, MARYLAND		
4. PROJECT TITLE EDUCATIONAL COMPUTER CENTER		5. PROJECT NUMBER P-153

12. SUPPLEMENTAL DATA: (Continued)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Computer, Central Processing Unit, Terminals, Graphic and Word Printers	O&MN (BA-8)	1987	6,800

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S/N 0102-LF-001-3915

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVY TACTICAL INTEROPERABILITY SUPPORT ACTIVITY, LONG BEACH, CALIFORNIA	4. COMMAND CHIEF OF NAVAL OPERATIONS	5. AREA CONSTR COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	1	7	2	0	0	0	0	0	0	10
b. END FY 19 91	1	7	2	0	0	0	0	0	0	10

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NS
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	510
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	510

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	Tactical Data Sys Supp Fac	LS	510	9-85	3-86
	TOTAL		510		

9. Future Projects:
   a. Included in following program (FY 88): None.

   b. Major planned next three years: None.

10. Mission or Major Functions: Test and verify data communication's links between ships and aircraft which activate computer driven tactical warfare operations.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVY REGIONAL DATA AUTOMATION, CENTER, NORFOLK, VIRGINIA	4. COMMAND CHIEF OF NAVAL OPERATIONS	5. AREA CONSTR. COST INDEX 0.95

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	8	49	269	0	0	0	0	10	64	400
b. END FY 19 91	8	49	269	0	0	0	0	10	82	418

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE Tenant of NAS
b. INVENTORY TOTAL AS OF 30 SEP 1985 0
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 0*
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. GRAND TOTAL 0

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.20	Data Processing Center	128,100 SF	0*	1-83	3-86
	TOTAL		0		

* Prior year authorization: $9,330,000 appropriation amount requested in this program.

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provide administrative data processing support for activities in the Norfolk area, including operational and headquarters commands.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVY REGIONAL DATA AUTOMATION CENTER, NORFOLK, VIRGINIA	4. PROJECT TITLE DATA PROCESSING CENTER

5. PROGRAM ELEMENT 7 20 43 N	6. CATEGORY CODE 610.20	7. PROJECT NUMBER P-625	8. PROJECT COST ($000) AUTH: 0* APPR: 9,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DATA PROCESSING CENTER	SF	128,100	-	7,650
BUILDING	SF	128,100	58.00	(7,500)
BUILT-IN EQUIPMENT	LS	-	-	(150)
SUPPORTING FACILITIES.	-	-	-	920
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(200)
UTILITIES.	LS	-	-	(400)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(250)
DEMOLITION AND RELOCATION.	LS	-	-	(70)
SUBTOTAL	-	-	-	8,570
CONTINGENCY (5%)	-	-	-	430
TOTAL CONTRACT COST.	-	-	-	9,000
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	500
TOTAL REQUEST.	-	-	-	9,500
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	9,330
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
*$10,880,000 authorized in FY 1986 Program.				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel frame building, pile foundation, concrete floors, masonry walls, built-up roofing, raised computer flooring, intrusion detection system, fire protection system, environmental control systems including temperature and humidity alarms, utilities; demolition of one building and relocation of one building.

11. REQUIREMENT: 128,100 SF. ADEQUATE: 0 SF. SUBSTANDARD: 65,790 SF.

PROJECT: Provides a centralized computer support facility for commands in the Tidewater area.

REQUIREMENT: The Commander in Chief, Atlantic Fleet (CINCLANTFLT), subordinate type commanders, the Naval Air Rework Facility, and nearly 100 other users in the Tidewater area have developed and scheduled for delivery new financial, material, payroll, personnel, and workload control automated data processing (ADP) systems necessitating increased space to accommodate equipment and personnel. These systems are replacing card-oriented equipment no longer supported by the manufacturer. This obsolete technology is being replaced with modern computers.

CURRENT SITUATION: All computers supporting major users and customers are physically located at the NARDAC, occupying a shared converted warehouse in an industrial area and a converted wooden barracks. They do not have the floor space, the unique environmental control, and physical and electronic security requirement for the new systems. The existing floor space is half the size required, and vertical or horizontal expansion is no longer

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVY REGIONAL DATA AUTOMATION CENTER, NORFOLK, VIRGINIA

4. PROJECT TITLE DATA PROCESSING CENTER	5. PROJECT NUMBER P-625

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

possible. Multiple points of entry and shared telephone terminal boards area security risk. NARDAC is the processing center for CINCLANTFLT squadrons and shore stations, civilian payroll and personnel records, Fleet Accounting and Disbursing Center, Atlantic, authorization accounting activity financial functions, NARF workload scheduling, parts and component inventory. Additionally, NARDAC is a major node on the Defense Data Network (DDN), and a field host processor for the new Naval Military Personnel Command (NMPC), Personnel Administrative Support System and Source Data System (PASS/SDS). PASS/SDS is a major part of the effort to regain certification by GAO of the Navy's Joint Uniform Military Pay System (JUMPS) and must have the capability to electronically transfer data over the DDN to NMPC and the Navy Finance Center, Cleveland, Ohio. The existing space is totally inadequate to meet either the short-term or long-term requirements.

IMPACT IF NOT PROVIDED: No implementation of new on-line systems for the civilian payroll, material inventory, issuance and receiving, squadron support, military personnel and pay records and the Navy financial accounting system. The aircraft repair and overhaul effort by the NARF will come to a standstill. Recertification of JUMPS as a minimum will be delayed and could be jeopardized. Continued degradation of existing support bcause of obsolete ADP equipment for which repair parts and maintenance are not available. Shelving new systems for major commands, such as NAVCOMPT, NAVSUP, CINCLANTFLT, NMPC, and the Naval Air Logistics Command (NALC) who have and are investing hundreds of millions of dollars and years of effort to develop and implement. Denial of state-of-the-art information system technology to CINCLANTFLT and other major users in the Tidewater area. No facility to house and adequately secure the DDN node. Continued vulnerability and risk of damage to the equipment and disclosure of sensitive personnel data.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started........................... 1-83
- (b) Percent Complete as of January 1986........... 90
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 3-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ______

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVY REGIONAL DATA AUTOMATION CENTER, NORFOLK, VIRGINIA		
4. PROJECT TITLE DATA PROCESSING CENTER		5. PROJECT NUMBER P-625

12. SUPPLEMENTAL DATA: (Continued)

(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	(505)
(b)	All Other Design Costs	(45)
(c)	Total	550
(d)	Contract	(525)
(e)	In-house	(25)

(4) Construction start.......................... 1-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL LEGAL SERVICE OFFICE, NORFOLK, VIRGINIA	4. COMMAND CHIEF OF NAVAL OPERATIONS	5. AREA CONSTR. COST INDEX 0.95

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	61	23	30	0	0	0	0	0	0	114
b. END FY 19 91	60	26	30	0	0	0	0	0	0	116

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NS
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,080
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	1,080

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.40	Naval Legal Service Bldg Addn	11,250 SF	1,080	8-85	8-86
	TOTAL		1,080		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provide legal personnel and facilities to perform functions relating to military justice, command advice, and legal assistance in the Norfolk area.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL LEGAL SERVICE OFFICE, NORFOLK, VIRGINIA	4. PROJECT TITLE NAVAL LEGAL SERVICE BUILDING ADDITION

5. PROGRAM ELEMENT 9 12 96 N	6. CATEGORY CODE 610.40	7. PROJECT NUMBER P-645	8. PROJECT COST ($000) 1,080

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
NAVAL LEGAL SERVICE BUILDING ADDITION. . . .	SF	11,250	-	840
BUILDING ADDITION	SF	11,250	72.00	(810)
BUILDING ALTERATIONS	LS	-	-	(30)
SUPPORTING FACILITIES.	-	-	-	130
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(70)
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(60)
SUBTOTAL	-	-	-	970
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,020
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	60
TOTAL REQUEST.	-	-	-	1,080
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,080
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel frame and masonry building addition, pile foundation, concrete floors; building alterations; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 42,550 SF. ADEQUATE: 31,300 SF. SUBSTANDARD: 4,890 SF.

PROJECT: Provides building addition to the Naval Legal Service Office (NAVLEGSVCOFF) to include an additional courtroom with support space.

REQUIREMENT: Adequate facility for the Naval Legal Service Office to consolidate activities and perform all necessary legal services and counsel to commands within the Norfolk geographical area. With 66 Judge Advocate General (JAG) officers, this is the Navy's largest legal service office. The NAVLEGSVCOFF handles approximately 1,000 general and special courts-martial annually, and provides assistance to 15,000 clients. There are 5,000 various claims handled each year. Administrative and courtroom facilities are necessary to provide services for command legal matters including military justice, military magistrate hearings, investigations, claims, legal assistance, administrative proceedings, and labor relations hearings. The NAVLEGSVCOFF maintains liaison with local, state, and federal courts, and law enforcement agencies. Courtrooms, judges chambers, and support facilities in proximity to courtrooms are required to fulfill mission responsibilities. NAVLEGSVCOFF Norfolk conducts training sessions for 2,500 personnel each year including commanding, executive, line, and legal officers, and masters-at-arms of operating units, as well as base

(Continued on DD 1391c)

☆ U.S. Government Printing Office: 1984—759-012/17914 2-1

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL LEGAL SERVICE OFFICE, NORFOLK, VIRGINIA		
4. PROJECT TITLE NAVAL LEGAL SERVICE BUILDING ADDITION		5. PROJECT NUMBER P-645

11. REQUIREMENT: (Continued)
police officers, naval investigative service agents, and others involved in the administration of military justice. These fleet training sessions accommodate the operating schedules of ships and squadrons, and often cannot be scheduled sufficiently far in advance to ensure the availability of appropriate facilities.

CURRENT SITUATION: The Naval Legal Service Office is located in three separate buildings. The military justice and command services functions are collocated in a building with the trial judiciary occupying the top floor. There are two existing courtrooms and one large and two small hearing rooms. The legal assistance department and the claims department occupy inadequate spaces in separate buildings. No adequate facility is available for the NAVLEGSVCOFF. Being dependent on public courts space is not a feasible alternative as these facilities are fully utilized.

IMPACT IF NOT PROVIDED: Efficiency and unit cohesiveness will continue to suffer from overcrowded office space and from the substantial distance separating the Claims and Legal Assistance Divisions from the main building. The client commands and personnel of the operating units are not well served by this inconvenient separation of functions. It results in greater time spent away from ships, and inadequate spaces adversely affect perception of the value of free legal services provided by the Navy.

ADDITIONAL: Construction of this building addition will eliminate detrimental impact on fleet readiness by consolidating functions in one facility, enhancing the efficient provision of legal services and increasing the convenience and morale of the clients served.

12. SUPPLEMENTAL DATA:
a. Estimated design data:
(1) Status:
(a) Date Design Started.......................... 8-85
(b) Percent Complete as of January 1986.......... 35
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 8-86
(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______
(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(65)
(b) All Other Design Costs........................(20)
(c) Total... 85
(d) Contract......................................(65)
(e) In-house......................................(20)
(4) Construction start......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL LEGAL SERVICE OFFICE DETACHMENT, OCEANA, VIRGINIA	4. COMMAND CHIEF OF NAVAL OPERATIONS	5. AREA CONSTR COST INDEX 0.95

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	6	4	2	0	0	0	0	0	0	12
b. END FY 19 91	6	5	2	0	0	0	0	0	0	13

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NAS
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	540
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	540

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.40	Legal Services Office	LS	540	3-84	12-85
	TOTAL		540		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provide legal personnel and facilities to perform functions relating to military justice, command advice, and legal assistance in the Oceana area.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

[illegible]

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA	4. COMMAND CHIEF OF NAVAL OPERATIONS	5. AREA CONSTR COST INDEX 1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	6002	6112	24800	182	153	0	110	68	0	37427
b. END FY 19 91	6475	6200	24950	182	153	0	110	68	0	38138

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(575)
b. INVENTORY TOTAL AS OF 30 SEP 1985	82,080
c. AUTHORIZATION NOT YET IN INVENTORY	22,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	26,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	36,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	17,000
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	183,680

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141.40	White House Support Complex	80,000 SF	24,000	1-86	10-86
721.11	Bachelor Enlisted Qtrs Modn	49,820 SF	2,000	6-85	2-86
	TOTAL		26,000		

9. Future Projects:

a. Included in following program (FY 88):

214.20	Transportation Maint Fac	LS	4,900
610.10	Administrative Office Modn	LS	22,000
610.10	Administrative Office Modn	LS	9,400
			36,300

b. Major planned next three years:

610.10	Navy Yard Upgrade	LS	15,000
813.30	Electrical Distr Sys Upgrade	LS	2,000

10. Mission or Major Functions: Provide personnel support and logistics for Naval commands in the Washington area, including personnel, administrative, public works, supply, waterfront and harbor services.

Chesapeake Division Naval Facilities Engineering Command
Naval Historical Center
Naval Weapons Engineering Command
Naval Data Automation Command

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA	4. PROJECT TITLE WHITE HOUSE SUPPORT COMPLEX

5. PROGRAM ELEMENT 9 12 96 N	6. CATEGORY CODE 141.40	7. PROJECT NUMBER P-289	8. PROJECT COST ($000) 24,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WHITE HOUSE SUPPORT COMPLEX.	SF	80,000	-	10,240
AIRCRAFT MAINTENANCE HANGAR.	SF	72,000	128.00	(9,220)
MOTOR TRANSPORT FACILITY	SF	8,000	88.00	(700)
FIXED-POINT UNDERGROUND FUELING SYSTEM . .	LS	-	-	(320)
SUPPORTING FACILITIES.	-	-	-	11,860
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,700)
UTILITIES.	LS	-	-	(4,270)
PAVING & SITE IMPROVEMENT, DEMOLITION. . .	LS	-	-	(4,330)
PERIMETER SECURITY	LS	-	-	(1,560)
SUBTOTAL	-	-	-	22,100
CONTINGENCY (5%)	-	-	-	1,110
TOTAL CONTRACT COST.	-	-	-	23,210
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,280
TOTAL REQUEST.	-	-	-	24,490
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	24,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel, reinforced concrete and masonry buildings, pile and concrete foundations, concrete floors, built-up roofs, compressed air system, 400 Hz electric power, high-bay areas, personnel support facilities, fire protection system, air conditioning, utilities; fixed-point underground fueling system; perimeter security improvements including fencing; runway improvements; demolition of six buildings.

11. REQUIREMENT: 80,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs aircraft maintenance hangar and crew facility including space for alert bays, maintenance, storage, berthing and messing, operations center and command communications. Provides runway and security improvements.

REQUIREMENT: Successful implementation of the White House emergency plan. To insure alert aircraft are effectively employed, it is essential that the alert hangar protect the alert force from hostile actions and adverse weather; enable these aircraft to launch regardless of field conditions; and, most important, reduce to an absolute minimum, the time from alert to launch. The alert hangar is a critical element in the emergency plan and will also be used as a staging area for VIP missions supporting both the White House and the Department of Defense. This secondary mission will often require both aircraft and aircrews to be housed overnight at Anacostia in support of VIP movements.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA		
4. PROJECT TITLE WHITE HOUSE SUPPORT COMPLEX		5. PROJECT NUMBER P-289

11. REQUIREMENT: (Continued)

CURRENT SITUATION: The Executive Flight Detachment is presently housed in a 40 year-old hangar at NAS Anacostia. The siting of the hangar degrades the ability to respond in the event of a national emergency. The confined space and ineffective aircraft landing, taxiing, and maneuvering area reduces the critical mission response time. The lack of effective security against terrorist attack puts the critical mission of the detachment at undue risk.

IMPACT IF NOT PROVIDED: Implementation of the White House emergency plan and support of the Department of Defense critical missions will continue in its degraded condition, adversely impacting on critical mission readiness and accomplishment.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 1-86
- (b) Percent Complete as of January 1986........... 10
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (945)
- (b) All Other Design Costs.......................... (240)
- (c) Total.. 1,185
- (d) Contract... (1,155)
- (e) In-house... (30)

(4) Construction start........................ 2-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS MODERNIZATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
9 24 98 N	721.11	P-218	2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS MODERNIZATION . .	SF	49,820	37.00	1,850
SUBTOTAL	-	-	-	1,850
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,940
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	110
TOTAL REQUEST.	-	-	-	2,050
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building alterations and modernization including partitions, suspended acoustic ceiling, wall and floor finishes, utilities upgrade, fire protection system, air conditioning: 43 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment. Grade mix: 68 E1-E4, 32 E5-E6, 10 E7-E9. Total: 110.

11. REQUIREMENT: 1,776 PN. ADEQUATE: 190 PN. SUBSTANDARD: 110 PN.

PROJECT: Modernizes billeting spaces to provide adequate billeting for 110 enlisted personnel at the Naval Station, Anacostia.

REQUIREMENT: Adequate housing for 1,776 enlisted personnel assigned to the Naval District of Washington, including the Navy Ceremonial Honor Guard Detachment at Anacostia.

CURRENT SITUATION: Existing adequate berthing capacity of 190 spaces includes 110 substandard spaces requiring modernization at the Anacostia site. A new construction deficiency of 1,586 adequate billeting spaces exists. After modernization of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project which is currently unprogrammed. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED: Overcrowding of adequate facilities will continue, and ceremonial guard personnel will be required to live in substandard housing below the minimum standard of adequacy, to the detriment of morale and career retention efforts.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS MODERNIZATION		5. PROJECT NUMBER P-218

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 6-85
(b) Percent Complete as of January 1986........... 75
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.............................. 2-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(110)
(b) All Other Design Costs...........................(40)
(c) Total... 150
(d) Contract..(125)
(e) In-house..(25)

(4) Construction start......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

COMMANDER IN CHIEF, ATLANTIC FLEET

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDER IN CHIEF ATLANTIC FLEET INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NAS Brunswick, ME	141	Ground Support Equipment Maintenance Facility	$ 2,160	$ 2,160	204
	120	Oil Spill Prevention	450	450	753
	151	Operational Trainer Facility Addition	710	710	772
		Subtotal	3,320	3,320	
NAS Cecil Field, FL	205	Aircraft Acoustical Enclosure	4,910	4,910	207
	258	Bachelor Enlisted Quarters	3,730	3,730	209
		Subtotal	8,640	8,640	
NS Charleston, SC	725	Mobile Mine Assembly Group Operations Facility	1,400	1,400	212
		Subtotal	1,400	1,400	
NAVOCEANPROFAC Dam Neck, VA	899	Security Improvements	540	540	780
		Subtotal	540	540	
NAS Jacksonville, FL	074	Aircraft Parking Apron	2,160	2,160	216
	100	Helicopter Training Facility	4,220	4,220	218
	386	Brig	2,650	2,650	220
		Subtotal	9,030	9,030	
NAS Key West, FL	598	Hydrofoil Berthing Wharf	8,490	8,490	223
	587	Air Combat Training Debriefing Facility	930	930	767
	619	Municipal Sewer Connection Improvements	720	720	752
		Subtotal	10,140	10,140	
NAB Little Creek, VA	260	Beach Group Operations Facilities	5,890	5,890	226
	103	Combat Swimmer Training Facility	0	3,730	229
	363	Steam and Condensate Systems	1,080	1,080	746
		Subtotal	6,970	10,700	
NS Mayport, FL	742	Physical Fitness Center Addition	880	880	768
		Subtotal	880	880	
NSCDET Mayport, FL	110	Fleet Support Warehouse Addition	3,730	3,730	234
		Subtotal	3,730	3,730	

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDER IN CHIEF ATLANTIC FLEET INDEX (CONTINUED)
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NSB New London, CT	382	Quaywall	$ 3,160	$ 3,160	237
	356	Weapons Storage Improvements	2,950	2,950	239
	336	Bachelor Officer Quarters	9,300	9,300	241
	379	Fuel Storage Tanks	1,470	1,470	243
		Subtotal	16,880	16,880	
NS New York, NY	069	Battleship Support Complex (Increment II)	62,200	62,200	246
		Subtotal	62,200	62,200	
FLTINTELCENEURLANT Norfolk, VA	126	Intelligence Building Addition	1,880	1,880	250
		Subtotal	1,880	1,880	
NAS Norfolk, VA	104	Helicopter Training Facilities	1,570	1,570	254
		Subtotal	1,570	1,570	
TOTAL - COMMANDER IN CHIEF, ATLANTIC FLEET			127,180	130,910	

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, BRUNSWICK, MAINE	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR COST INDEX 0.93

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	597	3147	780	10	23	0	36	95	0	4688
b. END FY 1991	587	3012	780	10	23	0	36	95	0	4543

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,744)
b. INVENTORY TOTAL AS OF 30 SEP 1985	95,180
c. AUTHORIZATION NOT YET IN INVENTORY	11,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,320
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	9,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	10,350
g. REMAINING DEFICIENCY	8,580
h. GRAND TOTAL	138,480

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	Operational Trnr Fac Addition	LS	710	7-85	4-86
218.61	GSE Maintenance Facility	32,000 SF	2,160	9-85	7-86
831.16	Oil Spill Prevention	LS	450	6-85	4-86
	TOTAL		3,320		

9. Future Projects:

a. Included in following program (FY 88):

211.05	Maintenance Hangar	66,500 SF	9,500
			9,500

b. Major planned next three years:

171.20	SERE School Improvements	LS	350
211.05	Maintenance Hangar	66,500 SF	10,000

10. Mission or Major Functions: Maintain and operate facilities and provide services and material support for the P-3 land-based, anti-submarine warfare squadrons homeported. These Atlantic Fleet ASW Squadrons conduct operational and training flights from Brunswick, and rotationally deploy to bases in the Atlantic Ocean and Mediterranean.

Commander Patrol Wings, US Atlantic Fleet
Commander Patrol Wing 5
Six Patrol Squadrons (P-3 aircraft)
Survival, Escape, Resistance & Evasion School

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	650
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, BRUNSWICK, MAINE	4. PROJECT TITLE GROUND SUPPORT EQUIPMENT MAINTENANCE FACILITY

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 218.61	7. PROJECT NUMBER P-141	8. PROJECT COST ($000) 2,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GROUND SUPPORT EQUIPMENT MAINTENANCE FACILITY	SF	32,000	52.00	1,650
SUPPORTING FACILITIES.	-	-	-	340
UTILITIES.	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(270)
SUBTOTAL	-	-	-	1,990
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,090
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	110
TOTAL REQUEST.	-	-	-	2,200
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,160
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay reinforced concrete and masonry building, concrete foundation and floor, built-up roof, fire protection system, mechanical ventilation, utilities.

11. REQUIREMENT: 32,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 11,750 SF.

PROJECT: Provides maintenance building and support facilities for the repair and storage of aircraft ground support equipment (GSE).

REQUIREMENT: Adequate maintenance and storage facilities for 327 units of GSE used by the squadrons homeported at this station. Brunswick is the homeport for six P-3C land-based, anti-submarine warfare (ASW) squadrons, each with nine aircraft. The squadrons train and operate in the North Atlantic as well as deploy to overseas locations. GSE is used for towing, starting, maintaining, and servicing aircraft. GSE is essential in keeping the aircraft ready for their scheduled operations and deployment overseas. Adequate GSE maintenance and storage facilities are necessary to insure their reliability and availability to the squadrons.

CURRENT SITUATION: Maintenance activities are performed in two 40 year-old buildings that are beyond economical repair. These facilities are poorly configured, difficult to heat in the winter, and expensive to operate and maintain. Inadequate outdoor storage of GSE results in excessive deterioration from exposure to the elements.

IMPACT IF NOT PROVIDED: Severe Maine winters will continue to cause deterioration of the equipment. Maintenance functions will be performed in inadequate facilities.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, BRUNSWICK, MAINE

4. PROJECT TITLE
GROUND SUPPORT EQUIPMENT MAINTENANCE FACILITY

5. PROJECT NUMBER
P-141

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 9-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete............................ 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(100)
(b) All Other Design Costs..........................(50)
(c) Total.. 150
(d) Contract...(130)
(e) In-house...(20)

(4) Construction start........................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, CECIL FIELD, FLORIDA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	851	8190	1243	44	367	0	3	71	0	10769
b. END FY 19 91	963	8833	1243	106	644	0	3	71	0	11863

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(20,194)
b. INVENTORY TOTAL AS OF 30 SEP 1985	156,560
c. AUTHORIZATION NOT YET IN INVENTORY	47,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,640
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,020
f. PLANNED IN NEXT THREE PROGRAM YEARS	18,750
g. REMAINING DEFICIENCY	83,030
h. **GRAND TOTAL**	321,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.01	Aircraft Acoustical Enclosure	LS	4,910	8-83	3-86
721.11	Bachelor Enlisted Quarters	47,950 SF	3,730	2-85	3-86
	TOTAL		8,640		

9. Future Projects:

a. Included in following program (FY 88):

116.42	Blast Protective Pavement	123,050 SY	3,200
171.20	Training Building	14,250 SF	1,500
211.21	Engine Maintenance Shop	LS	920
211.89	Power Check Pads	6 EA	650
212.10	Missile Integration Facility	5,000 SF	300
441.10	Aircraft Support Warehouse	LS	450
			7,020

10. Mission or Major Functions: An Atlantic Fleet master jet station tasked with providing operational support for all east coast carrier-based anti-submarine warfare aircraft (S-3), and 14 carrier-based light attack squadrons. Cecil Field is the sole east coast support site for the F/A-18 squadrons.

12 Attack Squadrons (A7E)	2 Carrier Air Wing Headquarters
1 Attack Fleet Readiness Squadron	4 Attack Squadrons (F-18)
2 Reserve Training Squadrons	7 Anti-Submarine Warfare Squadrons
1 Attack Training Squadron (F-18)	

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, CECIL FIELD, FLORIDA	4. PROJECT TITLE AIRCRAFT ACOUSTICAL ENCLOSURE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 46 96 N	211.01	P-205	4,910

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT ACOUSTICAL ENCLOSURE.	LS	-	-	4,030
STRUCTURE.	SF	7,590	511.00	(3,880)
INSTRUMENTATION.	LS	-	-	(120)
BUILT-IN EQUIPMENT	LS	-	-	(30)
SUPPORTING FACILITIES.	-	-	-	520
UTILITIES.	LS	-	-	(260)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(260)
SUBTOTAL	-	-	-	4,550
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,780
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . .	-	-	-	260
TOTAL REQUEST.	-	-	-	5,040
REQUEST LESS BUDGET INFLATION ADJUSTMENT . . .	-	-	-	4,910
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story pre-engineered metal building, modular acoustical metal panel walls, sliding metal doors with air intake and silencing capability, concrete foundation and floor, air-cooled augmenter exhaust system, structurally isolated contiguous masonry control building; aircraft access and parking aprons; engine air-start system; 400 Hz electric power system, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 2 EA. ADEQUATE: 0 EA. SUBSTANDARD: 0 EA.

PROJECT: Provides an acoustical enclosure on the flight line for in-airframe jet aircraft engine power checks.

REQUIREMENT: To mitigate hazardous noise levels generated by in-airframe jet engines operating at full power. In-airframe testing is the final phase of the intermediate maintenance of jet engines. The power check insures that all engine systems are operating according to specifications prior to flying the aircraft. There are over 275 carrier-borne attack and anti-submarine warfare jet aircraft assigned to Cecil Field. In late 1983 the base began receiving the twin-engine F/A-18 aircraft. Almost all of the personnel support facilities at this activity, including family and bachelor housing, administrative spaces, medical facilities, and the chapel are encumbered by the high-noise zone created by the unattenuated run-up of aircraft. This inhibits optimum base development and restricts land use. This project is needed to remove this noise zone.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, CECIL FIELD, FLORIDA		
4. PROJECT TITLE AIRCRAFT ACOUSTICAL ENCLOSURE		5. PROJECT NUMBER P-205

11. REQUIREMENT: (Continued)

CURRENT SITUATION: In-airframe testing and adjusting of jet engines under full power is conducted on two unsheltered power check pads located across the runways remote from all other airfield facilities. The remote location of these pads and the absence of sound attenuation features renders them inefficient and detrimental to the health of the operators. Accurate adjustment of engines is difficult to achieve, especially during inclement weather. Although the run-up pads are across the airfield, the noise generated from the full power check can be heard throughout the base and in nearby residential areas.

IMPACT IF NOT PROVIDED: Base personnel and the surrounding community will continue to be exposed to excessive noise levels. Future personnel support facilities will have to be sited in remote areas out of the noise zone, resulting in higher site preparation costs and incompatibility with existing facilities. Continue to tow or taxi aircraft across the airfield to the present check pads.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 8-83
- (b) Percent Complete as of January 1986........... 85
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 3-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(240)
- (b) All Other Design Costs........................(170)
- (c) Total.. 410
- (d) Contract.....................................(385)
- (e) In-house.....................................(25)

(4) Construction start.......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, CECIL FIELD, FLORIDA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-258	8. PROJECT COST ($000) 3,730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	47,950	-	2,680
BUILDING	SF	40,810	54.00	(2,210)
NAVY EXCHANGE SERVICE STATION.	SF	7,140	66.00	(470)
SUPPORTING FACILITIES	SF	-	-	750
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(40)
ELECTRICAL UTILITIES	LS	-	-	(180)
MECHANICAL UTILITIES	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(310)
SUBTOTAL	-	-	-	3,430
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST.	-	-	-	3,600
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,800
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,730
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story masonry load-bearing wall building, concrete foundation and floors, built-up roof, sound attenuation, fire protection system, air conditioning, utilities; 52 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; one-story masonry service station including space for temporary lodging rental office; demolition of two buildings.

Grade mix: 208 E1-E4. Total: 208.

11. REQUIREMENT: 3,920 PN. ADEQUATE: 2,767 PN. SUBSTANDARD: 32 PN.

PROJECT: Provides adequate billeting for 208 enlisted personnel.

REQUIREMENT: Adequate housing for 3,920 enlisted personnel either assigned to the station as permanent support or to tenant air squadrons undergoing training from the Atlantic Fleet.

CURRENT SITUATION: Existing berthing capacity of 2,767 spaces, including 32 substandard spaces requiring modernization, and accommodations found by 479 personnel in the local community is insufficient, resulting in overcrowding. A new construction deficiency of 1,153 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently proposed for FY 1992. All projected space requirements are revalidated annually by a new survey which updates planning projections.

IMPACT IF NOT PROVIDED: Adequate living quarters for bachelor enlisted personnel will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, CECIL FIELD, FLORIDA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-258

11. REQUIREMENT: (Continued)
ADDITIONAL: The surrounding community has insufficient housing and cannot satisfy the station's berthing needs.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 2-85
(b) Percent Complete as of January 1986........... 90
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 3-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(135)
(b) All Other Design Costs.........................(80)
(c) Total.. 215
(d) Contract.......................................(175)
(e) In-house.......................................(40)

(4) Construction start......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION. CHARLESTON, SOUTH CAROLINA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR COST INDEX 0.81

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	1843	19296	2050	155	773	0	106	538	0	24761
b. END FY 19 91	1755	20804	2050	95	835	0	113	645	0	26297

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(885)
b. INVENTORY TOTAL AS OF 30 SEP 1985	90,810
c. AUTHORIZATION NOT YET IN INVENTORY	89,770
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	12,670
g. REMAINING DEFICIENCY	98,790
h. GRAND TOTAL	295,940

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Mobile Mine Assembly Grp Ops Fac	18,250 SF	1,400	6-85	5-86
	TOTAL		1,400		

9. Future Projects:

a. Included in following program (FY 88):

890.20	Compressed Air Plant	LS	2,500
			2,500

b. Major planned next three years:

610.10	Fleet Support Center	41,000 SF	5,000
721.12	Bachelor Enlisted Quarters	288 PN	4,270
730.83	Chapel	19,400 SF	3,400

10. Mission or Major Functions: The station piers are homeport to approximately 47 Atlantic Fleet ships, including destroyers and frigates, attack submarines and support ships. New mine warfare ships will be assigned by 1990. The station hosts the Mine Warfare Command, Reserve Mine Squadron, and Shore Intermediate Maintenance Activity, and supports the adjacent Naval Shipyard.

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, CHARLESTON, SOUTH CAROLINA	4. PROJECT TITLE MOBILE MINE ASSEMBLY GROUP OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 47 96 N	171.20	P-725	1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MOBILE MINE ASSEMBLY GROUP OPERATIONS FACILITY	SF	18,250	-	1,110
ADMINISTRATIVE SPACE	SF	10,000	59.00	(590)
TRAINING SPACE	SF	8,250	63.00	(520)
SUPPORTING FACILITIES.	-	-	-	150
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(150)
SUBTOTAL	-	-	-	1,260
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,330
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,400
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building with high bay area, concrete floors and foundation, masonry walls, built-up roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 18,250 SF. ADEQUATE: 0 SF. SUBSTANDARD: 18,860 SF.

PROJECT: Constructs an operations facility at the Naval Annex to include administrative spaces for Commander, Mine Assembly Group (COMOMAG) staff, and classrooms for training minemen in mine rework and assembly.

REQUIREMENT: A consolidated facility for all COMOMAG activities based in Charleston so waterfront space can be made available for more ship-related activities. Consolidation will permit the acceptance of additional workload without significant increase in the total required building size. The mission of COMOMAG is to provide training and administrative support to minemen in the procedures of mine rework and assembly for overseas detachments and reserve units. Also, it provides mine warfare exercise and training assets to all Atlantic Fleet units that have a mine warfare mission, and it supports joint NATO/US exercises.

CURRENT SITUATION: COMOMAG operates from two facility complexes, one at the Naval Station Annex near Charleston AFB and the other located along the waterfront in front of two fleet piers. These two complexes are ten miles apart. Centralized functions such as command and control administrative support and supply support are difficult to efficiently manage and result

(Continued on DD 1391c)

S/N 0102 LF 001 3910
U.S. Government Printing Office: 1984—[illegible]

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL STATION, CHARLESTON, SOUTH CAROLINA

4. PROJECT TITLE
MOBILE MINE ASSEMBLY GROUP OPERATIONS FACILITY

5. PROJECT NUMBER
P-725

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
in wasted man hours, vehicular wear and attendant impact on command support to mission and morale. Tasking of fleet mine warfare support will increase over 300%, from 1,100 mines in FY 1981 to 3,800 mines in FY 1987.

IMPACT IF NOT PROVIDED: Without centralized facilities at the Naval Annex, the proficiency of all activities involved will decline. The current use of limited waterfront space for mine activities, vice needed ship related units will negatively effect fleet readiness. This station's mission to provide fleet support will continue to be hindered.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	6-85
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	5-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	(50)
(b) All Other Design Costs	(25)
(c) Total	75
(d) Contract	(60)
(e) In-house	(15)

(4) Construction start 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL OCEAN PROCESSING FACILITY, DAM NECK, VIRGINIA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	18	195	6	0	0	0	0	0	0	219
b. END FY 1991	17	184	6	0	0	0	0	0	0	207

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of FCTCLANT
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	540
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	540

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	Security Improvements	LS	540	8-85	8-86
	TOTAL		540		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Oceanographic research and observation. Periodically handles changing needs and requirements; supports advanced electronics.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, JACKSONVILLE, FLORIDA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	1041	6607	2476	423	458	0	6	159	0	11170
b. END FY 19 91	1055	6825	2500	431	423	0	6	159	0	11399

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(14,895)	
b. INVENTORY TOTAL AS OF 30 SEP 1985		210,700
c. AUTHORIZATION NOT YET IN INVENTORY		23,970
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,030
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,050
f. PLANNED IN NEXT THREE PROGRAM YEARS		12,950
g. REMAINING DEFICIENCY		44,350
h. GRAND TOTAL		308,050

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
113.20	Aircraft Parking Apron	69,450 SY	2,160	12-84	4-86
171.20	Helicopter Training Facility	47,410 SF	4,220	5-85	7-86
730.15	Brig	29,540 SF	2,650	2-82	10-86
	TOTAL		9,030		

9. Future Projects:

a. Included in following program (FY 88):

113.20	Aircraft Parking Apron	59,450 SY	2,200
116.10	Aircraft Washrack	LS	650
211.21	Engine Maintenance Shop	LS	3,000
441.30	Hazardous Transfer Facility	8,200 SF	1,200
			7,050

b. Major planned next three years:

872.10	Security Facilities	LS	3,000

10. Mission or Major Functions: NAS Jacksonville is homeport for six land based Anti-Submarine Warfare (ASW) Squadrons (P-3) and all east coast carrier based ASW helicopter squadrons (SH-3). Provides support to the Naval Air Rework Facility (NARF) and a Naval Hospital.

Six Land Based ASW Squadrons	Naval Air Rework Facility
Six Helicopter ASW Squadrons	Naval Air Reserve Unit
Two Fleet Readiness Squadrons	Naval Regional Medical Center

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, JACKSONVILLE, FLORIDA	4. PROJECT TITLE AIRCRAFT PARKING APRON

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 113.20	7. PROJECT NUMBER P-074	8. PROJECT COST ($000) 2,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT PARKING APRON	SY	69,450	-	1,970
PARKING APRON.	SY	66,440	26.00	(1,740)
TAXIWAY AND LIGHTING	SY	3,010	33.00	(100)
STORM DRAINAGE SYSTEM.	LS	-	-	(40)
SECURITY LIGHTING.	LS	-	-	(90)
SUBTOTAL	-	-	-	1,970
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,070
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	100
TOTAL REQUEST.	-	-	-	2,180
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,160
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Portland cement concrete parking apron and taxiway paving on prepared base and subgrade, taxiway lighting, tie-downs, grounding outlets, striping and marking, storm drainage system, security lighting and fencing.

11. REQUIREMENT: 267,820 SY. ADEQUATE: 198,370 SY. SUBSTANDARD: 16,710 SY.

PROJECT: Provides additional aircraft parking apron, access taxiway, and taxiway lighting.

REQUIREMENT: Adequate additional parking apron for a total of 63 spaces to support six deployable P-3 squadrons and a training squadron. Adequate separation of aircraft on the parking apron is required to perform maintenance functions in a safe manner. Parking aircraft too close together creates a situation where engine exhaust blasts on neighboring aircraft and maintenance personnel, posing a safety hazard.

CURRENT SITUATION: Four of the six deployable P-3, anti-submarine warfare (ASW) squadrons are on-board most of the time and require 36 parking spaces. The training squadron requires 27 spaces for aircraft. They presently park on 49 standard-sized, adequate spaces, in the maintenance hangar, and thirteen inadequate spaces lacking tie-downs and proper taxiway access. Aircraft must be towed to these inadequate spaces and maneuvered into position. This continuous shuffle of aircraft to and from the maintenance hangar, the parking area, and the use of tow tractors greatly increases the potential for accidents and has resulted in damage to aircraft. The situation becomes more critical on week-ends when three to five transient aircraft come aboard.

(Continued on DD 1391c)

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1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, JACKSONVILLE, FLORIDA

4. PROJECT TITLE
AIRCRAFT PARKING APRON

5. PROJECT NUMBER
P-074

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Shortage of aircraft parking apron space will continue to impact on fleet readiness and airfield safety. Continued use of maintenance hangar bays for parking three aircraft vice design capacity of two aircraft and of a parking apron lacking tie-down security.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................12-84
(b) Percent Complete as of January 1986...........90
(c) Percent Complete as of October 1986...........100
(d) Date Design Complete............................4-86

(2) Basis:
(a) Standard or Definitive Design: Yes____No X
(b) Where Design Was Most Recently Used: __________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(75)
(b) All Other Design Costs........................(40)
(c) Total.. 115
(d) Contract.......................................(95)
(e) In-house.......................................(20)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, JACKSONVILLE, FLORIDA		4. PROJECT TITLE HELICOPTER TRAINING FACILITY	
5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-100	8. PROJECT COST ($000) 4,220

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HELICOPTER TRAINING FACILITY	SF	47,410	-	3,310
OPERATIONAL TRAINING BUILDING.	SF	41,790	70.00	(2,930)
BUILDING ADDITION.	SF	5,620	68.00	(380)
SUPPORTING FACILITIES.	-	-	-	540
UTILITIES.	LS	-	-	(280)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(260)
SUBTOTAL	-	-	-	3,850
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST.	-	-	-	4,040
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	220
TOTAL REQUEST.	-	-	-	4,260
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,220
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame building, concrete floors, tilt-up concrete panel walls; building addition to match existing; fire protection system, air conditioning, utilities; computer spaces for operational training, classrooms, maintenance training space, security system.

11. REQUIREMENT: 69,230 SF. ADEQUATE: 21,820 SF. SUBSTANDARD: 34,960 SF.

PROJECT: Provides facilities including computer and training device spaces in support of SH-3 carrier-based helicopter (HS) training.

REQUIREMENT: Functionally adequate facilities to support permanent basing of HS squadrons at Jacksonville. Training spaces to replace undersized, inadequate facilities now used by the helicopter squadrons. HS squadrons deploy aboard aircraft carriers to provide close-in, anti-submarine warfare (ASW) protection to the battle group. Operation and maintenance of helicopters aboard carriers in all weather conditions requires extensive training of air and maintenance crews. All Atlantic Fleet HS squadrons are homeported at Jacksonville and all training is performed there. In 1973 the HS squadrons were moved to Jacksonville as part of the Shore Establishment Realignment. The assignment was meant to be temporary until new facilities could be constructed at Mayport. Eventually the decision was made to base the LAMPS Mk III helicopters at Mayport and continue to operate the HS squadrons from Jacksonville. Many of the facilities utilized by the HS squadrons were considered interim until their expected

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, JACKSONVILLE, FLORIDA		
4. PROJECT TITLE HELICOPTER TRAINING FACILITY		5. PROJECT NUMBER P-100

11. REQUIREMENT: (Continued)
move, thus some substandard buildings were occupied with only minimal alterations or repairs performed.
CURRENT SITUATION: Fleet operational training is scattered in temporary facilities station-wide, taxing personnel and transportation. Several sonar trainers, navigation trainers, aircraft sensor operations training, pilot training, and a cockpit procedures trainer are housed in inadequate facilities. Existing classrooms and training facilities are fully utilized, with an average peak load of over 250 students. Most of the wooden-frame facilities used for HS training were constructed in 1940, lack adequate fire protection, and are not properly configured.
IMPACT IF NOT PROVIDED: The efficiency and effectiveness of HS training is already adversely impacted. The present facilities are scattered and many are substandard for their current functions. There is only limited space for training which dictates additional space if missions and operations are to be maintained at current levels.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 5-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.............................. 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(245)
(b) All Other Design Costs..........................(90)
(c) Total.. 335
(d) Contract...(285)
(e) In-house...(50)

(4) Construction start........................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 81 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, JACKSONVILLE, FLORIDA	4. PROJECT TITLE BRIG

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 730.15	7. PROJECT NUMBER P-386	8. PROJECT COST ($000) 2,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BRIG	SF	29,540	-	1,620
BUILDING	SF	29,000	55.00	(1,600)
STORAGE BUILDING	SF	540	37.00	(20)
SUPPORTING FACILITIES.	-	-	-	820
ELECTRICAL UTILITIES	LS	-	-	(380)
MECHANICAL UTILITIES	LS	-	-	(180)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(260)
SUBTOTAL	-	-	-	2,440
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,560
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	140
TOTAL REQUEST.	-	-	-	2,700
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, fire protection system, utilities; includes dormitories, cells, processing and exam rooms, administration, counseling, multi-purposed room with food service line; demolition of one building.

11. REQUIREMENT: 29,540 SF. ADEQUATE: 0 SF. SUBSTANDARD: 10,270 SF.

PROJECT: Constructs a brig, including workshops, to provide prisoners with meaningful work and training.

REQUIREMENT: Adequate facilities to confine prisoners from Jacksonville, with a naval population exceeding 12,000 persons, plus naval prisoners in the surrounding area. The facility will accommodate 55 male and five female prisoners, comply with Navy standards on prisoner welfare, security, and rehabilitation efforts, and improve physical conditions such as fire protection, safety, and habitability. The prisoners held here will be serving sentences of up to 30 days.

CURRENT SITUATION: The existing brig is a converted 40-year-old, substandard, wooden building. It is inadequate in size and function with deficiencies that cannot be economically corrected. There are insufficient hard cells and other facilities to meet basic reasonable requirement. The facilities for female prisoners are especially inadequate. Because the existing brig cannot being used, prisoners must be transported to other Navy brigs at considerable transportation and administration cost. There are no available spaces to modify.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, JACKSONVILLE, FLORIDA		
4. PROJECT TITLE BRIG		5. PROJECT NUMBER P-386

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Unable to provide naval activities in the region with adequate brig support. Navy will not live up to its established standards for prisoner rehabilitation, safety, habitability, and fire protection. Lack of facilities meeting standards will cause morale and discipline problems.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	2-82
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	10-86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X

(b) Where Design Was Most Recently Used: Design based on concept design developed for waterfront brigs.

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	(120)
(b)	All Other Design Costs	(50)
(c)	Total	170
(d)	Contract	(145)
(e)	In-house	(25)

(4) Construction start: 5-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEY WEST, FLORIDA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR COST INDEX 1.08

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	230	2025	450	11	56	0	1	58	0	2831
b. END FY 1991	240	2050	460	11	56	0	1	58	0	2876

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (19,400)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	109,480
c. AUTHORIZATION NOT YET IN INVENTORY	10,110
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,140
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,070
f. PLANNED IN NEXT THREE PROGRAM YEARS	5,840
g. REMAINING DEFICIENCY	8,170
h. GRAND TOTAL	147,810

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
151.20	Hydrofoil Berthing Wharf	1,200 FB	8,490	6-85	6-86
171.20	Air Combat Trng Debrief Fac	LS	930	7-85	6-86
832.10	Municipal Swr Connect Imprs	LS	720	NA*	NA*
	TOTAL		10,140		

*Design by City of Kew West.

9. Future Projects:

a. Included in following program (FY 88):

116.15	Aircraft Rinse Facility	910 SY	550
832.10	Municipal Sewer Connection	LS	3,520
			4,070

b. Major planned next three years:

116.55	Ordnance Loading Area	LS	1,600
722.10	Mess Hall	18,060 SF	2,340
841.40	Water Storage Facilities	1,000,000 GA	1,900

10. Mission or Major Functions: Maintains and operates an air station to support training of flight crew using tactical aircraft exercising in the Caribbean Sea and in the Gulf. Provides waterfront support for a patrol ship (PHM) squadron and berthing facilities for up to five surface combatants operating in the area on forward deployment. Major units supported include:

Two aircraft squadrons (30 aircraft)
Coast Guard units (five cutters & three SES)
One PHM squadron (six ships)
Naval Intelligence & Security Detachments
Air Force Air Defense Units
US Forces Caribbean
Medical Clinic

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	3,700
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEY WEST, FLORIDA	4. PROJECT TITLE HYDROFOIL BERTHING WHARF

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 151.20	7. PROJECT NUMBER P-598	8. PROJECT COST ($000) 8,490

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HYDROFOIL BERTHING WHARF	FB	1,200	-	4,300
WHARF AND RAMP	LS	-	-	(4,300)
SUPPORTING FACILITIES.	-	-	-	3,510
ELECTRICAL UTILITIES	LS	-	-	(2,100)
MECHANICAL UTILITIES	LS	-	-	(670)
FUEL STORAGE AND OUTLETS	LS	-	-	(570)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(170)
SUBTOTAL	-	-	-	7,810
CONTINGENCY (5%)	-	-	-	388
TOTAL CONTRACT COST.	-	-	-	8,198
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	450
TOTAL REQUEST.	-	-	-	8,648
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,490
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Berthing wharf along east quaywall, utilities and fuel outlets, concrete launch and recovery ramp for hydrofoil.

11. REQUIREMENT: 1,200 FB. ADEQUATE: 0 FB. SUBSTANDARD: 0 FB.

PROJECT: Provides berthing wharf at Truman Annex to accommodate a guided missile patrol hydrofoil (PHM) squadron now based at Trumbo Point, Key West. Rehabilitates a marine railway for use by squadron and contractor personnel for hydrofoil maintenance.

REQUIREMENT: Adequate berthing and support spaces for the PHM squadron homeported in Key West. PHMs are fast, potent patrol ships ideally suited for operations in the Caribbean. The squadron recently reached its full complement of six ships. They now utilize one pier at Trumbo Point. Other users of piers at Trumbo Point include the Coast Guard, Naval Air Development Center, and marine fueling operations. The Coast Guard mission in the Caribbean has expanded in recent years requiring more pier-side and shore support facilities. Major increases in PHM manpower and equipment because of acquisition of six ships, the Navy's decision to permanently base the squadron in the Caribbean, and the advent of PHM contractor logistics support have resulted in a shortage of warehouse, office and storage space at Trumbo Point. Facilities are available at the newly reactivated Truman Annex located several miles across the Key.

CURRENT SITUATION: Crowded conditions exist at Trumbo Point because of the increase in the number of PHMs assigned to the squadron and the increase in

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEY WEST, FLORIDA		
4. PROJECT TITLE HYDROFOIL BERTHING WHARF		5. PROJECT NUMBER P-598

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

the Coast Guard's Caribbean mission. Crowded berthing conditions are a detriment to safe and efficient operations. Truman Annex has been reactivated as a forward operations base. Construction of large ship berthing facilities was approved in FY 1985. The reactivation provides upgrade of several buildings at Truman Annex. The buildings will be used by the PHM squadron for administration, storage, and logistical support. The rehabilitation of a marine railway will permit squadron and contractor maintenance personnel to pull the hydrofoils out of the water for inspection and repair. This maintenance is now done either at Jacksonville or Pascagoula requiring long periods away from the squadron in transit. This method is excessively expensive because of transit costs, crew quarters, and drydock facility charges. There is also an abundance of laydown area at Truman Annex for the squadrons numerous maintanence and support vans. The east quaywall is unimproved and shallow. Moving to Truman Annex will permit the squadron and the Coast Guard to expand without encroaching on each other.

IMPACT IF NOT PROVIDED: Shortage of building space and crowded berthing conditions at Trumbo Point will continue to the detriment of both the PHM squadron and the Coast Guard.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started........................... 6-85
- (b) Percent Complete as of January 1986........... 45
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (315)
- (b) All Other Design Costs........................ (150)
- (c) Total... 465
- (d) Contract...................................... (420)
- (e) In-house...................................... (45)

(4) Construction start........................ 1-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	937	8435	1326	68	859	0	57	429	0	12111
b. END FY 19 91	1090	10118	1350	77	983	0	57	429	0	14104

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(11,810)
b. INVENTORY TOTAL AS OF 30 SEP 1985	122,620
c. AUTHORIZATION NOT YET IN INVENTORY	57,060
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,970
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,250
f. PLANNED IN NEXT THREE PROGRAM YEARS	28,680
g. REMAINING DEFICIENCY	91,000
h. GRAND TOTAL	312,580

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.41	Beach Group Operations Facs	68,050 SF	5,890	8-84	3-86
179.55	Combat Swimmer Training Fac	LS	0*	9-84	4-85
822.22	Steam & Condensate System	LS	1,080	9-85	8-86
	TOTAL		6,970		

* Prior year authorization: $3,730,000 appropriation amount requested this program.

9. Future Projects:

a. Included in following program (FY 88):

143.77	Sealift Support Facilities	51,990 SF	5,000
730.10	Fire Station	6,550 SF	850
730.83	Chapel Addition	4,180 SF	400
			6,250

b. Major planned next three years:

143.25	Seal Team Operations Bldg	51,300 SF	3,800
213.75	LCAC Complex II	52,070 SF	10,000

10. Mission or Major Functions: Serves as the East Coast operational base for amphibious ships and units of the Atlantic Fleet Surface Force. Furnish homeport berthing, training, maintenance, personnel and support service. Support annual training exercises.

LST and LSD Class Vessels	Amphibious Construction Battalion
Special Warfare Group Two	Amphibious School
Beach Group Two	Service Squadron Eight
Explosive Ordnance Disposal Group Two	

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	4. PROJECT TITLE BEACH GROUP OPERATIONS FACILITIES

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 143.41	7. PROJECT NUMBER P-260	8. PROJECT COST ($000) 5,890

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BEACH GROUP OPERATIONS FACILITIES.	SF	68,050	-	3,850
BUILDINGS.	SF	68,050	54.00	(3,670)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES.	-	-	-	1,530
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(180)
ELECTRICAL UTILITIES	LS	-	-	(230)
MECHANICAL UTILITIES	LS	-	-	(340)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(680)
DEMOLITION	LS	-	-	(100)
SUBTOTAL	-	-	-	5,380
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST.	-	-	-	5,650
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	310
TOTAL REQUEST.	-	-	-	5,960
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,890
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three one-story reinforced concrete and masonry buildings, pile foundations, concrete floors, metal and built-up roofs, security fencing and lighting, fire protection system, air conditioning, utilities; demolition of 23 buildings.

11. REQUIREMENT: 153,060 SF. ADEQUATE: 3,360 SF. SUBSTANDARD: 16,140 SF.

PROJECT: Provides three buildings to support two of the three units of Naval Beach Group II. Facilities include space for operations, storage, and vehicle maintenance and training.

REQUIREMENT: Adequate facilities to sustain readiness of Assault Craft Unit II and Beachmaster Unit II, two of the three components of Naval Beach Group II. The Assault Craft Unit's (ACU) primary mission is to provide large assault landing craft in support of amphibious operations. These craft, carried to the landing area in well decks of amphibious ships, are launched offshore in a coordinated assault. ACU operates and maintains 14 vehicles and 12 pieces of rolling stock, in addition to the landing craft. The Beachmaster Unit (BU) provides the command and control elements for the beach party to ensure prompt movement of landing craft, supplies, equipment, and troops ashore. This includes the control of all LSTs and landing craft, causeways, and beach operations. It also provides salvage support and assistance for stranded or disabled boats. BU operates numerous vehicles of various sizes and several water and fuel tank trailers. The Amphibious Construction Battalion (ACB) provides pontoon

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE
BEACH GROUP OPERATIONS FACILITIES

5. PROJECT NUMBER
P-260

11. REQUIREMENT: (Continued)
causeways, bulk fuel and camp support to the beach party in support of the Amphibious Task Force. This includes the assembly, implacement, repair, and maintenance of pontoon causeway piers, pontoon barges, bulk fuel systems for ship-to-shore delivery of fuel from tankers to the landing force, and limited beach improvement and camp support. ACB has 19 landing craft and tugs, 36 pontoon causeway sections, and over 250 pieces of construction equipment and vehicles. These units require separate operations, supply, and maintenance facilities because each is independently deployable and must have the capability to perform maintenance functions both ashore and when deployed.
CURRENT SITUATION: The beach group units are housed in buildings which vary in size, are in poor physical condition, and expensive to maintain. These conditions create safety hazards and increase the time required to accomplish the assigned workload. Many buildings are termite infested and flood during heavy rains. The upgrading of Beach Group facilities began with the FY 1984 Military Construction Program.
IMPACT IF NOT PROVIDED: Because units routinely deploy to the Mediterranean with the sixth fleet, and must react to contingencies or mobilization, it is imperative that landing craft, beachmaster's vehicles and equipment, and causeways are in an adequate state of repair and readiness. Present conditions are detrimental to this goal. The eventual consolidation of the three units into six fully adequate, modern structures will not be realized.
ADDITIONAL: ACU IV will be commissioned at Little Creek in FY 1987, occupying facilities programmed in FY 1985 under the LCAC program. The mission of ACU II is complementary to that of the proposed ACU IV and both will continue in commission. A follow-on project will provide facilities for the ACB.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 8-84
(b) Percent Complete as of January 1986........... 90
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 3-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ____________

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA		
4. PROJECT TITLE BEACH GROUP OPERATIONS FACILITIES		5. PROJECT NUMBER P-260

12. SUPPLEMENTAL DATA: (Continued)

(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	(490)
(b)	All Other Design Costs	(220)
(c)	Total	710
(d)	Contract	(640)
(e)	In-house	(70)

(4) Construction start.......................... 1-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	4. PROJECT TITLE COMBAT SWIMMER TRAINING FACILITY

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 179.55	7. PROJECT NUMBER P-103	8. PROJECT COST ($000) AUTH: 0* APPR: 3,730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT SWIMMER TRAINING FACILITY	LS	-	-	3,050
TRAINER FACILITY	LS	-	-	(2,960)
BUILT-IN EQUIPMENT	LS	-	-	(90)
SUPPORTING FACILITIES.	-	-	-	360
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(180)
UTILITIES.	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	3,410
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST.	-	-	-	3,580
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,780
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,730
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
*$4,070,000 authorized in FY 1986 Program.				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete training tank 60 feet wide and 115 feet long, enclosed by a steel frame and metal building, 40-foot training tower, submarine lock-in and lock-out device, recompression chamber, jib crane, bridge crane, utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides an indoor combat swimmer operations training facility to support five commands in the Norfolk area requiring diving and swimmer training. This facility will consist of a large swimming tank with varying depths to 18 feet. The unique features of the tank will include a submarine lock-in and lock-out device, a 40-foot training tower, and a recompression chamber. An area at one end of the pool will allow viewing of the students through portholes by the instructors.

REQUIREMENT: The Norfolk area contains a large concentration of Navy divers and combat swimmers, with the majority located at Little Creek. The Navy requires a facility so training can be moved from outdoors to a controlled indoor facility. There is no indoor swimmer training tank to support the current training workload. This facility will permit an economical, all-weather operation with complete supervisory and environmental control to afford maximum safety and efficiency to the swimmers being trained in submarine techniques, ascent-descent training, and the use of underwater weapons and equipment.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA		
4. PROJECT TITLE COMBAT SWIMMER TRAINING FACILITY		5. PROJECT NUMBER P-103

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Little Creek does not have a combat swimmer training tank. The base does have ordinary recreational swimming pools, but these are neither deep enough nor have the size and special features required for training. Some training can be accomplished in the recreational pools at Little Creek and the Norfolk Naval Base, but this involves commuting or scheduling conflicts. Deep-water training and training with large equipment must be performed in the ocean or at a local private lake. Considerable time is lost in travel to these areas. The ocean during the winter is frequently too dangerous to conduct any swimming at all. The number of diving accidents because of improper training facilities and areas is disturbingly high. Combat readiness is difficult to maintain at 100% because of lost training opportunities. A combat training pool would increase training time by 30,000 man-hours per year.

IMPACT IF NOT PROVIDED: The divers' training program at all command levels is a progressive program employing complex techniques with complex underwater equipment, under less than optimum conditions. Each organization has personnel who must remain at the peak of physical and mental readiness, and totally familiar with all equipment and underwater devices required for combat and survival. The absence of a training pool at this base leads to a reduction in confidence and conditioning in each man's swimming and diving abilities. Scheduling of training at other bases must be extremely flexible to avoid conflicts and the resulting travel to and from reduces valuable training time. The absence of a combat swimmer training pool adversely influences the overall readiness of each command affected, which in turn, reflects on the readiness of the Atlantic operating forces.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started.......................... 9-84

(b) Percent Complete as of January 1985.......... 100

(c) Percent Complete as of October 1985.......... 100

(d) Date Design Complete......................... 4-85

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X

(b) Where Design Was Most Recently Used: ________

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA		
4. PROJECT TITLE COMBAT SWIMMER TRAINING FACILITY		5. PROJECT NUMBER P-103

12. SUPPLEMENTAL DATA: (Continued)

(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications........	(130)
(b)	All Other Design Costs........................	(80)
(c)	Total...	210
(d)	Contract......................................	(155)
(e)	In-house......................................	(55)
(4)	Construction start........................	11-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, MAYPORT, FLORIDA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	1296	15693	900	23	180	0	79	330	0	18501
b. END FY 1991	1441	16537	1191	113	292	0	72	173	0	19819

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,776)
b. INVENTORY TOTAL AS OF 30 SEP 1985	100,830
c. AUTHORIZATION NOT YET IN INVENTORY	69,780
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	880
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	19,290
g. REMAINING DEFICIENCY	48,600
h. GRAND TOTAL	240,680

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.43	Physical Fitness Center Addn	LS	880	6-85	2-86
	TOTAL		880		

9. Future Projects:

a. Included in following program (FY 88):

813.30	Pier Electrical Power	LS	1,300
			1,300

b. Major planned next three years:

152.20	Waterfront Operations Facs	LS	7,900
740.74	Child Care Center	16,020 SF	2,400
841.10	Water Treatment Plant Exp	LS	4,000
871.25	Dredge Spoil Disposal Area	LS	4,990

10. Mission or Major Functions: Mayport will be homeport for a total of five LAMPS MK III Helicopter Squadrons (SH-60B Helicopter) and is homeport for one LAMPS MK I Helicopter Squadron. Deliveries of the SH-60 Helicopter began in 1985. Major units homeported at Mayport include two aircraft carriers; 28 cruisers, destroyers and frigates; one destroyer tender; three reserve ships; one HSL Helicopter Squadron; SIMA; and a fleet training center.

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER DETACHMENT, MAYPORT, FLORIDA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	3	6	110	0	0	0	0	0	0	119
b. END FY 1991	2	8	150	0	0	0	0	0	0	160

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NS
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,730
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	1,000
h. GRAND TOTAL	4,730

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.10	Fleet Support Warehouse Addn	52,640 SF	3,730	6-82	10-86
	TOTAL		3,730		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provides wide variety of supply and support services to Atlantic Fleet units and Navy shore activities in the geographic area. The center is a Defense Fuel Support Point of the Defense Logistics Agency for bulk petroleum products for CONUS and overseas Navy activities. Storage point for Navy Prepositioned War Reserve Material Stock.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER DETACHMENT, MAYPORT, FLORIDA	4. PROJECT TITLE FLEET SUPPORT WAREHOUSE ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
7 28 96 N	441.10	P-110	3,730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLEET SUPPORT WAREHOUSE ADDITION	SF	52,640	-	2,950
WAREHOUSE SPACE.	SF	41,950	38.00	(1,590)
FLAMMABLE STOREHOUSE	SF	2,740	73.00	(200)
COVERED STORAGE SHELTER.	SF	7,950	21.00	(170)
BUILDING ALTERATIONS	LS	-	-	(230)
RETRIEVAL EQUIPMENT WITH RACKS	LS	-	-	(760)
SUPPORTING FACILITIES.	-	-	-	460
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(70)
UTILITIES.	LS	-	-	(190)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
SUBTOTAL	-	-	-	3,410
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST.	-	-	-	3,580
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,780
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,730
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building addition, concrete foundation and floor, masonry walls, built-up roof, 32-foot clear stacking height, material storage and retrieval system, load levelers, covered concrete loading dock; hazardous flammable storehouse; covered storage shelter; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 79,120 SF. ADEQUATE: 26,480 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides an addition to the general warehouse, including a hazardous flammable storehouse, covered storage shelter; interior alterations including office spaces in existing warehouse.

REQUIREMENT: Expanded storage facilities for supplies and materials issued on a continuing basis to Atlantic Fleet ships homeported in Mayport, and associated shore commands and functions. The number of ships homeported has increased with the commissioning of new FFG-7 class frigates. Readiness of ships for deployment is dependent on ability to rapidly reprovision in homeport. Military personnel assigned to both ships and shore commands, such as the new shore intermediate maintenance activity, are also increasing. This increase in assigned ships and personnel results in a greater demand for logistical support.

CURRENT SITUATION: Existing warehouse facilities provide only 28% of the required general warehouse space. Eighteen new FFG-7 class ships have been assigned. The total number of ships homeported has increased from 25 in

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL SUPPLY CENTER DETACHMENT, MAYPORT, FLORIDA

4. PROJECT TITLE FLEET SUPPORT WAREHOUSE ADDITION	5. PROJECT NUMBER P-110

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
mid-1970 to 34 in 1984, and will continue at that level over the long-term. Number of active duty military assigned is now 11,000 and will reach 16,500 by 1989 as new ships arrive, including a second aircraft carrier returning from overhaul, and the LAMPS helicopter units build-up.
IMPACT IF NOT PROVIDED: Readiness of homeported combatant ships, including two aircraft carriers, impaired because of inability to rapidly and fully load-out and reprovision for deployments. Unacceptable double-handling, delays, and increased costs if alternate off-base supply storage facilities are used.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 6-82
- (b) Percent Complete as of January 1986........... 50
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(170)
- (b) All Other Design Costs.........................(185)
- (c) Total.. 355
- (d) Contract.......................................(320)
- (e) In-house.......................................(35)

(4) Construction start......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3915

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 1.14

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	1184	9779	1950	345	1604	0	12	261	0	15135
b. END FY 19 91	1201	10104	2100	404	2492	0	10	246	0	16557

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,408)
b. INVENTORY TOTAL AS OF 30 SEP 1985	216,920
c. AUTHORIZATION NOT YET IN INVENTORY	33,500
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,880
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	32,730
f. PLANNED IN NEXT THREE PROGRAM YEARS	28,200
g. REMAINING DEFICIENCY	57,900
h. **GRAND TOTAL**	386,130

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
154.20	Quaywall	250 LF	3,160	10-84	6-86
421.22	Weapons Storage Imprs	LS	2,950	9-85	7-86
724.11	Bachelor Officer Quarters	77,720 SF	9,300	2-85	5-86
821.61	Fuel Storage Tanks	LS	1,470	9-85	6-86
	TOTAL		16,880		

9. Future Projects:

a. Included in following program (FY 88):

214.20	Vehicle Maintenance Fac	23,400 SF	2,170
441.10	General Warehouse	63,820 SF	5,880
721.11	Bachelor Enlisted Quarters	396 PN	14,360
821.09	Utilities Improvements	LS	6,880
851.10	Roads	LS	3,440
			32,730

10. Mission or Major Functions: Serves as homeport for operational attack submarines of the Atlantic Fleet, providing refit, maintenance, replenishment, training, and ordnance support. Serves as host to other commands located on the base. Training and other support of FBM submarine off-crews.

Submarine Support Facility
Submarine Squadron Two
Submarine Medical Center (Hospital)
Submarine School
Submarine Squadron Ten (State Pier)
Submarine Development Squadron 12
Submarine Medical Research Laboratory
Naval Undersea Medical Institute
Marine Barracks

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	2,530
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	4. PROJECT TITLE QUAYWALL

5. PROGRAM ELEMENT 2 48 96 N	6. CATEGORY CODE 154.20	7. PROJECT NUMBER P-382	8. PROJECT COST ($000) 3,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
QUAYWALL	LF	250	7,120	1,780
SUPPORTING FACILITIES.	-	-	-	1,120
ELECTRICAL UTILITIES	LS	-	-	(250)
MECHANICAL UTILITIES	LS	-	-	(340)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(530)
SUBTOTAL	-	-	-	2,900
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	3,040
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,210
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,160
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete relieving platform on piling, sheet piling retaining wall with gravel backfill, cathodic protection, fender system, mooring cleats, street lighting extension, relocate utilities; remove timber piling.

11. REQUIREMENT: 1,600 LF. ADEQUATE: 600 LF. SUBSTANDARD: 1,000 LF.

PROJECT: Constructs quaywall paralleling rivers edge, in the vicinity of Pier 15.

REQUIREMENT: The quaywall is a structurally integral component of the submarine base waterfront, providing a non-eroding interface between the river and the shore. It allows the patrol road and the utility systems to run parallel to the river without the threat of their being undermined and damaged by water erosion. It is necessary to replace sections of the deteriorated and severely damaged quaywall to prevent the patrol road and utility systems from eventually collapsing into the Thames River.

CURRENT SITUATION: Deterioration of sheet piling along the quaywall in the vicinity of Pier 15 and north of Pier 33 is allowing fill material to leak, causing an increasing number of waterfront roadway cave-ins. Conditions along the waterfront are hazardous for vehicles and weight handling equipment. The roadway running parallel to the quaywall is the principal route for the weapons delivery vehicles moving torpedoes and other weapons from the storage area to the submarine piers. Loss of this road would necessitate a re-routing of all traffic including the weapons delivery vehicles to a road which passes in front of a family housing area.

(Continued on DD 1391c)

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1. COMPONENT		2. DATE
NAVY	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
QUAYWALL	P-382

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
Utility systems behind the bulkhead are threatened with disruption, which would severely interfere with submarine repair operations at the floating drydocks. Because of severe deterioration, repair is not a feasible alternative.
IMPACT IF NOT PROVIDED: The quaywall will continue to deteriorate with possible collapse of the waterfront road and utilities causing severe reduction of support to submarines and submarine maintenance functions.
ADDITIONAL: A future, follow-on project will repair the quaywall parallel to the river north of the submarine piers.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 10-84
- (b) Percent Complete as of January 1986........... 40
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (225)
- (b) All Other Design Costs........................ (175)
- (c) Total... 400
- (d) Contract...................................... (380)
- (e) In-house...................................... (20)

(4) Construction start........................ 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	4. PROJECT TITLE WEAPONS STORAGE IMPROVEMENTS

5. PROGRAM ELEMENT 2 48 96 N	6. CATEGORY CODE 421.22	7. PROJECT NUMBER P-356	8. PROJECT COST ($000) 2,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS STORAGE IMPROVEMENTS	LS	-	-	2,130
MAGAZINES UPGRADING.	LS	-	-	(1,930)
CONTAINER HOLDING PAD.	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	580
ELECTRICAL UTILITIES	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(340)
SUBTOTAL	-	-	-	2,710
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,000
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Excavation around magazines, jacking and aligning magazines, stabilizing foundations, backfill, waterproof membranes, replace existing doors, high security hasps and pad locks, grounding system; weapons loader facility; loading dock; expand container holding yard; access roads and road extensions; weapons area security fence; utilities.

11. REQUIREMENT: 26,510 SF. ADEQUATE: 8,030 SF. SUBSTANDARD: 18,480 SF.

PROJECT: Provides structural improvements to weapons storage magazines, to weapons container holding yard and access road, and to security facilities.

REQUIREMENT: To correct physical deficiencies in existing high explosive and other weapons storage magazines, to improve weapons handling facilities, and security around weapons storage and handling facilities. Terrorism around the world is on the increase. Targets include US military installations, equipment, and personnel. Experiences, such as the destruction of Navy aircraft in San Juan several years ago, highlight the need to improve security around military installations. This project installs surveillance equipment and security lighting around the weapons storage and handling facilities.

CURRENT SITUATION: New London is the Atlantic Fleet primary submarine homeport and principal submarine training facility. Submarines homeported are maintained and replenished periodically with provisions and weapons. Storage and maintenance of torpedoes and other weapons is an important mission of the base. Engineering investigations have shown the weapons

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT		
4. PROJECT TITLE WEAPONS STORAGE IMPROVEMENTS		5. PROJECT NUMBER P-356

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
storage magazines to have reached the end of their structural life and require extensive repair. Foundations need to be leveled, walls need waterproofing, doors need replacing, and locks need upgrading. The weapons container holding yard needs upgrading.
IMPACT IF NOT PROVIDED: Potential severe destruction of neighboring facilities in the event of an accident resulting in an explosion in a magazine. Potential breach of security or terrorist attack resulting from a lack of adequate security facilities.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 9-85
(b) Percent Complete as of January 1986.......... 35
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete............................ 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(150)
(b) All Other Design Costs............................(115)
(c) Total.. 265
(d) Contract...(235)
(e) In-house...(30)

(4) Construction start............................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL SUBMARINE BASE,
NEW LONDON, CONNECTICUT

4. PROJECT TITLE
BACHELOR OFFICER QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 48 96 N	724.11	P-336	9,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS.	SF	77,720	-	5,680
BUILDING	SF	77,720	70.00	(5,440)
BUILT-IN EQUIPMENT	LS	-	-	(240)
SUPPORTING FACILITIES.	-	-	-	2,870
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,750)
ELECTRICAL UTILITIES	LS	-	-	(120)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(730)
DEMOLITION	LS	-	-	(70)
SUBTOTAL	-	-	-	8,550
CONTINGENCY (5%)	-	-	-	430
TOTAL CONTRACT COST.	-	-	-	8,980
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	490
TOTAL REQUEST.	-	-	-	9,470
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	9,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Eight-story steel frame building, concrete foundation, pre-cast concrete plank floors, masonry walls with brick facing, built-up roof on pre-cast concrete planks over steel framing, two elevators, rock excavation, fire protection system, air conditioning, utilities; suites including combination living-bedroom, bathroom, pullman type kitchen, lounges, laundry, storage, vending, mechanical equipment; demolition of one building. Grade mix: 157 W1-02. Total: 157.

11. REQUIREMENT: 716 PN. ADEQUATE: 381 PN. SUBSTANDARD: 105 PN.

PROJECT: Provides adequate billeting for 157 officer personnel.

REQUIREMENT: Adequate housing for 716 officer personnel either assigned duty at the base or are officer students attending one of the various schools.

CURRENT SITUATION: Existing berthing capacity of 381 spaces, including 105 substandard spaces requiring modernization and accommodations found by 276 personnel in the local community, is insufficient, resulting in overcrowding. A new construction deficiency of 335 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently unprogrammed. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED: Adequate living quarters for bachelor officers will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts.

(Continued on DD 1391c)

U.S. Government Printing Office: 1984—[illegible]

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE BACHELOR OFFICER QUARTERS	5. PROJECT NUMBER P-336

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started........................... 2-85
- (b) Percent Complete as of January 1986........... 60
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 5-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (440)
- (b) All Other Design Costs.......................... (20)
- (c) Total.. 460
- (d) Contract....................................... (20)
- (e) In-house....................................... (440)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE NEW LONDON, CONNECTICUT	4. PROJECT TITLE FUEL STORAGE TANKS

5. PROGRAM ELEMENT 2 48 96 N	6. CATEGORY CODE 821.61	7. PROJECT NUMBER P-379	8. PROJECT COST ($000) 1,470

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL STORAGE TANKS	LS	-	-	1,350
TANKS REPLACEMENT.	LS	-	-	(990)
TANK CONVERSION.	LS	-	-	(360)
SUBTOTAL	-	-	-	1,350
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,420
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,500
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,470
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Constructs fuel storage tanks; converts and upgrades fuel storage tank.

---

11. REQUIREMENT: As Required.

PROJECT: Replaces deteriorated heating fuel tanks located at the Submarine Base power plant. Converts excess diesel fuel storage tank to residual heating fuel oil storage tank.

REQUIREMENT: Adequate fuel storage for the power plant. The base power plant requires collocated fuel oil tanks of sufficient capacity to allow effective fuel feed control and operational flexibility. Replacement of these storage tanks is necessary because of fuel losses which have been experienced, material condition of the tanks, and potential environmental damage which could result if the tanks deteriorate further. A 90-day supply of heating oil is required at the Submarine Base. A minimal storage capacity is required to cover delivery. Delays have been frequently experienced at this location.

CURRENT SITUATION: The existing power plant storage tanks are deteriorated and are leaking oil into the surrounding ground water. Additionally, high ground water table in this area allows water to leak into the tanks contaminating the fuel. The oil leaks are polluting ground water and are possibly contributing to oil pollution of the Thames River during heavy rains. Repair of the tanks has been investigated and complete replacement is considered the most cost effective solution. Existing heating oil

(Continued on DD 1391c)

U.S. Government Printing Office: 1984—[illegible]

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE
FUEL STORAGE TANKS

5. PROJECT NUMBER
P-379

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
storage is provided by three underground storage tanks. Their capacity is only sufficient to provide fuel for less than 20 days during the winter. Experience during the oil crisis of the 1970's proved that this supply was not enough to allow time to find an alternate supplier if the regular supplier is unable to deliver. The project will convert a diesel fuel tank no longer needed for submarine fuel because of conversion of submarines to atomic power.

IMPACT IF NOT PROVIDED: Contamination of oil for the power plant will continue with possibility of boiler shutdowns. Pollution of the ground water and the Thames River will also continue at an advanced rate as the tanks further deteriorate. The deficiency of heating oil storage will continue with the possibility of disruption to base operations should delay in delivery require limitation or shutdown of the power plant.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 9-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (40)
(b) All Other Design Costs......................... (25)
(c) Total.. 65
(d) Contract....................................... (55)
(e) In-house....................................... (10)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, NEW YORK, NEW YORK	COMMANDER IN CHIEF, ATLANTIC FLEET	1.24

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	19	86	170	0	0	0	390	2824	325	3814
b. END FY 19 91	292	4356	1865	0	0	0	579	3875	325	11292

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(143)	
b. INVENTORY TOTAL AS OF 30 SEP 1985		29,510
c. AUTHORIZATION NOT YET IN INVENTORY		33,160
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		62,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		48,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,340
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		187,210

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
932.20	Battleship Support Complex (Increment II)	LS	62,200	5-84	5-86
	TOTAL		62,200		

9. Future Projects:

a. Included in following program (FY 88):

219.10	Public Works Facilities	LS	6,000
441.10	Supply Facilities	LS	3,000
740.77	Community Services Center	81,550 SF	15,500
911.10	Land Acquisition	14 AC	4,000
932.20	Utilities & Site Improvements	LS	19,500
			48,000

10. Mission or Major Functions: Provides personnel support for crews while their ships are undergoing overhaul in private shipyards in the New York area. Operates and maintains family housing at Mitchel Field. Beginning in 1988, NS New York will be homeport to a battleship surface action group (5 ships) and two reserve frigates.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, NEW YORK, NEW YORK	4. PROJECT TITLE BATTLESHIP SUPPORT COMPLEX (INCREMENT II)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 47 96 N	932.20	P-069	62,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BATTLESHIP SUPPORT COMPLEX	LS	-	-	57,320
SHORE INTERMEDIATE MAINTENANCE ACTIVITY. .	SF	195,600	105.00	(20,580)
SUPPLY WAREHOUSE	SF	38,100	165.00	(6,300)
BACHELOR ENLISTED QUARTERS	SF	70,650	65.00	(4,610)
MESS HALL.	SF	9,380	192.00	(1,800)
BACHELOR OFFICER QUARTERS.	SF	24,750	127.00	(3,150)
UTILITIES AND SITE IMPROVEMENTS.	LS	-	-	(20,880)
SUBTOTAL	-	-	-	57,320
CONTINGENCY (5%)	-	-	-	2,870
TOTAL CONTRACT COST.	-	-	-	60,190
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	3,310
TOTAL REQUEST.	-	-	-	63,500
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	62,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay and one three-story adjoining steel frame buildings, pile foundations, concrete floors, masonry walls, built-up roof, elevators, elevated walk, collimation tower, bridge crane. One-story high-bay warehouse,steel frame, pile foundation, concrete floor, masonry and metal panel walls, built-up roof, including cold storage, hazardous and flammable storage, servmart, administrative space, automated handling and retreival system. Three-story reinforced concrete and masonry building with brick facing, concrete foundation and floors, built-up roof; suites for junior officers have a combination living-bedroom, bathroom, and pullman-type kitchen; suites for senior officers have a living room, bedroom, bathroom, and kitchen; lounges, laundry, storage, vending, mechanical equipment; grade mix: 40 W1-O3-above. Two four-story reinforced concrete and masonry buildings with brick facing, concrete foundations and floors, built-up roofs; two-bedroom modules with semi-private bathrooms, lounges, laundry, storage, vending, mechanical equipment; grade mix: 230 E1-E9. One-story steel frame and masonry building with brick facing; concrete foundation and floor, steel truss supported built-up roof, kitchen facilities. One-story 50-foot high-bay steel frame masonry and metal panel building, pile foundation, three dual-fuel package water tube boilers, fuel oil storage tank, electric substation, steam and condensate lines, electric distribution, potable water, fire protection water lines, gas, compressed air, fire foam distribution systems, sanitary and oily waste collection

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION, NEW YORK, NEW YORK

4. PROJECT TITLE BATTLESHIP SUPPORT COMPLEX (INCREMENT II)	5. PROJECT NUMBER P-069

10. DESCRIPTION AND PROPOSED CONSTRUCTION: (Continued)
system, water storage tank, storm sewer, roads, site improvements, shore stabilization. Fire protection system, air conditioning and mechanical ventilation, utilities.

11. REQUIREMENT: As Required.

PROJECT: Continues site improvements and provides a utility network at Stapleton and increases utility capacity at Fort Wadsworth. Constructs Shore Intermediate Maintenance Activity (SIMA) in support of the Surface Action Group (SAG) on Staten Island. The SIMA will provide vital maintenance support to ships depending on shore support for much of their maintenance needs. Administrative space will be occupied by production control offices, port control, engineering offices, quality assurance inspectors, and other maintenance administrative support functions. Constructs warehouse and storage facilities at Stapleton. Constructs bachelor enlisted and officer quarters and an enlisted men's mess hall at Fort Wadsworth.

REQUIREMENT: Construction of shoreside support facilities and utilities and site improvements on Staten Island to support the establishment of a SAG in 1988. The Secretary of the Navy has announced that Staten Island is the location for this Atlantic Fleet dispersal requirement. A SAG consists of a battleship, a cruiser, two guided missile destroyers, and a destroyer. Two reserve ships will also be homeported at Staten Island. Facilities are planned at two sites, Fort Wadsworth, located at the southern base of the Verrazano Narrows Bridge, and Stapleton, located about two miles up the channel on the Staten Island shore. The property is ideal for development of the operational functions of a station and has the added advantage of having quick and easy access to the open ocean. Since the Stapleton property is vacant, all new facilities are required to support the ships and maintenance activities. Programming over three years is proposed to complete SAG facilities. This project will complement the construction program approved last year.

CURRENT SITUATION: The Stapleton waterfront, once a bustling commercial shipping port, will contain pier, maintenance, and supply functions. The property has been acquired from the City of New York. The city and the port authority have demolished all the warehouses and other structures located on the Stapleton waterfront site, a narrow strip of land located between the Staten Island commuter rail line and the water. All the old wood and concrete piers have been removed and work on the bulkhead, pier and dredging will begin in early 1986. Site improvements and a complete utilities network are required at Stapleton. Fort Wadsworth will be the site of the station's administrative functions and personnel support facilities. The existing, modest utility system does not have the capacity to accommodate new administrative and personnel support facilities planned for this location. The SIMA will be the largest and most important facility to be

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, NEW YORK, NEW YORK		
4. PROJECT TITLE BATTLESHIP SUPPORT COMPLEX (INCREMENT II)		5. PROJECT NUMBER P-069

11. REQUIREMENT: (Continued)
constructed on the Stapleton site. New construction of supply and warehouse facilities are necessary at Stapleton. New construction for the servmart and a general warehouse is necessary at Fort Wadsworth in addition to supply and warehouse structures at Stapleton.
IMPACT IF NOT PROVIDED: Maintenance, utilities, and warehouse facilities will not be available to support the SAG. Newer class ships are heavily dependent on shoreside support for their intermediate maintenance. This project is essential for operational readiness of the SAG. The Navy's strategic homeporting plan to disperse it's ships cannot be executed in 1988.
ADDITIONAL: A follow-on project will complete utilities and site improvements at both sites and will provide additional warehouse and supply facilities to complete that requirement.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 5-84
(b) Percent Complete as of January 1986.......... 80
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 5-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No__X__
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(2,410)
(b) All Other Design Costs........................(1,135)
(c) Total.. 3,545
(d) Contract......................................(3,325)
(e) In-house......................................(220)

(4) Construction start........................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION FLEET INTELLIGENCE CENTER EUROPE AND ATLANTIC, NORFOLK, VIRGINIA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	80	308	96	0	0	0	0	0	0	484
b. END FY 1991	105	334	225	0	0	0	0	0	0	664

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(98)
b. INVENTORY TOTAL AS OF 30 SEP 1985	23,470
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,880
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	3,700
h. GRAND TOTAL	29,050

8. PROJECTS REQUESTED IN THIS PROGRAM.

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.40	Intelligence Bldg Addition	18,890 SF	1,880	9-85	8-86
	TOTAL		1,880		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: The Atlantic Command Operations Compound is the central headquarters of the Commander in Chief, US Atlantic Fleet (CINCLANTFLT). Fleet Intelligence Center Europe and Atlantic, collocated in the compound, produces and disseminates intelligence data to satisfy Atlantic Fleet and Naval Forces Europe requirements.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102 LF 001 3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION FLEET INTELLIGENCE CENTER EUROPE AND ATLANTIC, NORFOLK, VIRGINIA	4. PROJECT TITLE INTELLIGENCE BUILDING ADDITION

5. PROGRAM ELEMENT N F I P 2 11 12 N	6. CATEGORY CODE 143.40	7. PROJECT NUMBER P-126	8. PROJECT COST ($000) 1,880

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INTELLIGENCE BUILDING ADDITION	SF	18,890	-	1,400
BUILDING ADDITION.	SF	18,890	60.00	(1,140)
BUILT-IN EQUIPMENT	LS	-	-	(260)
SUPPORTING FACILITIES.	-	-	-	300
UTILITIES.	LS	-	-	(230)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(70)
SUBTOTAL	-	-	-	1,700
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,780
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,880
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,880
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(12,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building addition, concrete foundation and floor, masonry walls, built-up roof, intrusion detection system, computer flooring, elevator, emergency generator, monorail hoist, sound attenuation system, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 62,760 SF. ADEQUATE: 43,870 SF. SUBSTANDARD: 920 SF.

PROJECT: Provides an addition to the Fleet Intelligence Center Europe and Atlantic (FICEURLANT) building to house two new computer systems, additional personnel, and consolidate technical services production support facilities. A small printing, drafting, and photography plant will improve efficiency and reduce costs.

REQUIREMENT: Sufficient space for known and expected computer systems upgrade, new computer installations, and personnel associated with these systems. FICEURLANT is responsible for gathering and analyzing a wide variety of intelligence data. Aircraft and satellite photographic data are studied, ship and aircraft transmissions are recorded and analyzed, and all other inputs from a wide variety of human and electronic sources are gathered and studied. This information is used by Atlantic Fleet and Naval Forces Europe planners in developing tactics and strategies for a wide range of potential enemies and contingencies. The information produced by FICEURLANT is invaluable to the fleet and many other national intelligence organizations in keeping track of potential enemy activities, weapons development and deployment, and information regarding submarines, ships, and electronics transmissions.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
FLEET INTELLIGENCE CENTER EUROPE AND ATLANTIC, NORFOLK, VIRGINIA

4. PROJECT TITLE
INTELLIGENCE BUILDING ADDITION

5. PROJECT NUMBER
P-126

11. REQUIREMENT: (Continued)

CURRENT SITURATION: Recent acquisitions of additional personnel for nationally tasked programs is causing space crowding and has resulted in extensive space reallocation and renovation. The 338 people employed in the building operate seven mainframe and mini-computer systems, a small graphic arts and printing facility, and one of the largest and most sophisticated photo processing plants in the Navy. Printing, drafting, photo, and associated storage facilities are located in three separate areas in the existing building. This interferes with efficient production. Room to consolidate production facilities and accommodate additional computer and photo equipment does not exist. The new computer systems are scheduled to become operational in 1988. There will be 160 additional people required to operate these new systems.

IMPACT IF NOT PROVIDED: New equipment and additional personnel will be forced into an overburdened facility further aggravating the hazards caused by overcrowding. There will be no space to house the new computers expected to be on-line by 1988. Inability to bring new systems on-line will severely affect proper execution of FICEURLANT's mission.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 9-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (90)
(b) All Other Design Costs.......................... (35)
(c) Total... 125
(d) Contract.. (110)
(e) In-house.. (15)

(4) Construction start........................ 2-87
(month and year)

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION FLEET INTELLIGENCE CENTER EUROPE AND ATLANTIC, NORFOLK, VIRGINIA		
4. PROJECT TITLE INTELLIGENCE BUILDING ADDITION		5. PROJECT NUMBER P-126

12. SUPPLEMENTAL DATA: (Continued)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Classified Computer System and Associated Equipment	OPN	1989-1990	12,000

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, NORFOLK, VIRGINIA	COMMANDER IN CHIEF, ATLANTIC FLEET	0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	1172	6519	1520	161	206	0	14	279	0	9871
b. END FY 19 91	1155	6550	1640	190	271	0	14	289	0	10109

7. INVENTORY DATA ($000)

(3,321)

a. TOTAL ACREAGE 165,490
b. INVENTORY TOTAL AS OF 30 SEP 1985 14,960
c. AUTHORIZATION NOT YET IN INVENTORY 1,570
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 33,460
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 40,000
f. PLANNED IN NEXT THREE PROGRAM YEARS 31,030
g. REMAINING DEFICIENCY 286,510
h. GRAND TOTAL ....

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Helicopter Training Facs	16,870 SF	1,570	9-84	4-86
	TOTAL		1,570		

9. Future Projects:

a. Included in following program (FY 88):

116.55	Ordnance Handling Pad	36,770 SF	1,800
171.35	Operational Trainer Fac	LS	3,090
211.05	Maintenance Hangar	143,830 SF	16,600
721.11	Bachelor Enlisted Quarters	600 PN	11,970
			33,460

b. Major planned next three years:

211.05	Maintenance Hangar	LS	40,000

10. Mission or Major Functions: Homeport to aviation units capable of deploying with carriers and other ships, including 8 airborne early warning squadrons (VAW); three helicopter mine countermeasures squadrons (HM); three LAMPS helicopter squadrons (HSL); and two helicopter utility squadrons (HC). Also supports four reserve squadrons; air passenger and freight terminals; the adjacent Naval Air Rework Facility (NARF), and Naval Safety Center.

11. Outstanding pollution and safety deficiencies: ($000)
a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health (OSH): 0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, NORFOLK, VIRGINIA	4. PROJECT TITLE HELICOPTER TRAINING FACILITIES

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-104	8. PROJECT COST ($000) 1,570

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HELICOPTER TRAINING FACILITIES	SF	16,870	-	1,250
BUILDING ADDITION.	SF	16,870	70.00	(1,180)
BUILT-IN EQUIPMENT	LS	-	-	(70)
SUPPORTING FACILITIES.	-	-	-	170
UTILITIES.	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(80)
SUBTOTAL	-	-	-	1,420
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,490
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,570
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,570
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building addition, concrete foundation and floor, masonry walls, built-up roof, 400 H_z electric power generator, hoist, fire protection system, air conditioning, utilities; demolition of one building.

11. REQUIREMENT: 16,870 SF. ADEQUATE: 0 SF. SUBSTANDARD: 10,530 SF.

PROJECT: Constructs an addition to the aviation training complex and a small annex to the helicopter hangar to support training requirements of the SH-2 Helicopter Fleet Readiness Squadron (FRS).

REQUIREMENT: A training facility to replace an undersized, inadequate facility. The FRS is responsible for providing replacement aircrew and maintenance personnel to three operational squadrons based at Norfolk and Mayport, Florida. The Navy has decided to retain the SH-2 helicopter for use as a Light Airborne Multi-purpose System (LAMPS) aboard older frigates and destroyers. Additional aircraft are being procured and the mission of the FRS will continue through the year 2008. The principal LAMPS mission is to provide anti-submarine warfare and search and rescue capabilities for the parent ship. The number of Atlantic Fleet SH-2 helicopters will increase from 40 to 52 by FY 1988. There will be a need to train 375 students per year for replacement pilot, air crew, and ground crew.

CURRENT SITUATION: SH-2 training is now conducted in undersized, dispersed, and substandard spaces. Classrooms do not exist near the hangar where hands-on training takes place. The classes are crowded and the situation will get worse as the number of aircraft and replacement aircrew increases.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, NORFOLK, VIRGINIA		
4. PROJECT TITLE HELICOPTER TRAINING FACILITIES		5. PROJECT NUMBER P-104

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Training for anti-submarine warfare and other missions of this aircraft would be conducted in undersized, substandard spaces, lacking the physical plant necessary for adequately training replacement aircrew personnel. Training of additional students needed for the enlarged squadrons will be very difficult in the old scattered facilities.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 9-84
(b) Percent Complete as of January 1986........... 80
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 4-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(140)
(b) All Other Design Costs.........................(15)
(c) Total.. 155
(d) Contract.......................................(140)
(e) In-house.......................................(15)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

COMMANDER IN CHIEF, PACIFIC FLEET

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDER IN CHIEF, PACIFIC FLEET INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NAS Adak, AK	920	Radar Support Facilities	$ 24,400	$ 24,400	260
	011	Construction Management Facility Improvements	500	500	760
		Subtotal	24,900	24,900	
NF Adak, AK	010	Terminal Building Addition	5,700	5,700	263
		Subtotal	5,700	5,700	
NAS Alameda, CA	204	Berthing Pier and Utilities Improvements	17,675	17,675	266
	278	Waterfront Support Facility	950	950	762
		Subtotal	18,625	18,625	
NSB Bangor, WA	047	Bachelor Enlisted Quarters	4,900	4,900	269
	140	Security Building	2,750	2,750	271
	151	Electrical Distribution System Improvements	5,600	5,600	273
	137	Hazardous Waste Facility	1,280	1,280	755
	139	Sewerage System	400	400	755
	012	Sewerage System	300	300	756
		Subtotal	15,230	15,230	
TRIDENT REFITFAC Bangor, WA	026	Electrical Distribution System Improvements	980	980	781
	055	Water Treatment Plant Improvement	590	590	782
	Subtotal		1,570	1,570	
NAS Barbers Point, HI	194	TACAMO Support Complex	25,300	25,300	277
		Subtotal	25,300	25,300	
NF Centerville Beach, CA	001	Security Improvements	1,370	1,370	280
		Subtotal	1,370	1,370	
NAB Coronado, CA	078	Operational Storage Warehouse	3,720	3,720	283
	154	Sealift Support Pier	2,550	2,550	285
	096	Bachelor Officer Quarters	9,800	9,800	287
	148	Electrical Distribution System Improvements	5,100	5,100	289
		Subtotal	21,170	21,170	
NS Everett, WA	991	Carrier Support Complex (Increment II)	95,400	95,400	292
		Subtotal	95,400	95,400	

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDER IN CHIEF, PACIFIC FLEET INDEX (CONTINUED)
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NAS Fallon, NV	067	Parallel Runway	$ 17,000	$ 17,000	296
	269	Electronic Warfare Range Improvements	11,800	11,800	298
	277	Land Acquisition	6,400	6,400	300
		Subtotal	35,200	35,200	
NAS Lemoore, CA	082	Industrial Waste Treatment Facility	980	980	750
		Subtotal	980	980	
NS Long Beach, CA	173	Bachelor Enlisted Quarters	7,050	7,050	304
	174	Bachelor Officer Quarters	3,730	3,730	306
	162	Lighting Systems	210	210	744
		Subtotal	10,990	10,990	
NAVMAG Lualualei, HI	126	Missile Maintenance Facility	2,850	2,850	309
	111	Security Improvements	640	640	771
	129	Mine Maintenance Facility Modifications	860	860	770
		Subtotal	4,350	4,350	
NAS Miramar, CA	297	Maintenance Hangar Addition	5,110	5,110	312
	267	Avionics Shop Addition	3,240	3,240	314
	179	Bachelor Enlisted Quarters	13,200	13,200	316
	889	Consolidated Brig	22,500	22,500	318
	298	Hangar Utilities Improvements	350	350	763
		Subtotal	44,400	44,400	
NS Pearl Harbor, HI	378	Seal Team Training and Support Building	3,240	3,240	321
		Subtotal	3,240	3,240	
NSB Pearl Harbor, HI	095	Dredging	690	690	771
		Subtotal	690	690	
NS San Diego, CA	296	Dredging	1,260	1,260	325
	253	Bachelor Enlisted Quarters	18,200	18,200	327
		Subtotal	19,460	19,460	
NSB San Diego, CA	053	Bachelor Enlisted Quarters	9,100	9,100	330
	098	Sewerage System Improvements	300	300	751
		Subtotal	9,400	9,400	
NS Seattle, WA	021	Brig	2,950	2,950	333
		Subtotal	2,950	2,950	

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDER IN CHIEF, PACIFIC FLEET INDEX (CONTINUED)
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NS Mare Island Vallejo, CA	055	Religious Education Building Alteration	$ 470	$ 470	766
		Subtotal	470	470	
NAS Whidbey Island, WA	035	Aircraft Parking Apron	3,510	3,510	337
	060	Flight Simulator Building Addition	980	980	782
	090	Water Treatment Facility	690	690	756
		Subtotal	5,180	5,180	
TOTAL - COMMANDER IN CHIEF, PACIFIC FLEET			346,575	346,575	

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, ADAK, ALASKA	COMMANDER IN CHIEF, PACIFIC FLEET	3.88

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	29	663	156	0	0	0	101	426	0	1375
b. END FY 1991	33	664	156	0	0	0	101	426	0	1380

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(52,181)
b. INVENTORY TOTAL AS OF 30 SEP 1985	215,340
c. AUTHORIZATION NOT YET IN INVENTORY	9,060
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	24,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	45,800
g. REMAINING DEFICIENCY	31,410
h. GRAND TOTAL	338,510

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
134.70	Radar Support Facilities	LS	24,400	10-84	6-86
610.10	Const Management Fac Imprs	LS	500	10-85	7-86
	TOTAL		24,900		

9. Future Projects:

a. Included in following program (FY 88):

721.11	Bachelor Enlisted Quarters	LS	12,000
			12,000

b. Major planned next three years:

141.25	Fire Station	13,910 SF	4,090
141.42	Anti-Sub Warfare Ops Center	LS	15,260
441.30	Hazardous Materials Whse	10,770 SF	4,850

10. Mission or Major Functions: Maintain and operate facilities; provide services and materials to support operations of aviation activities and units of the operating forces of the Navy and other activities and units; and provide emergency services to ships and aircraft throughout the Aleutian chain, the Bering Sea, and the North Pacific. Deployment site for a P-3 aircraft ASW patrol squadron. Support the Naval Oceanographic Facility.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	3,000
b. Water pollution:	560
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, ADAK, ALASKA	4. PROJECT TITLE RADAR SUPPORT FACILITIES

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 134.70	7. PROJECT NUMBER P-920	8. PROJECT COST ($000) 24,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RADAR SUPPORT FACILITIES	LS	-	-	15,400
TRANSMITTER & RECEIVER SITEWORK.	LS	-	-	(5,000)
POWER PLANT.	LS	-	-	(1,700)
WATERFRONT & FUEL FARM UPGRADE	LS	-	-	(1,400)
AIRFIELD UPGRADE	LS	-	-	(4,700)
PERSONNEL SUPPORT FACILITIES	LS	-	-	(2,400)
TECHNICAL OPERATING MANUALS.	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	7,000
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(7,000)
SUBTOTAL	-	-	-	22,400
CONTINGENCY (5%)	-	-	-	1,120
TOTAL CONTRACT COST.	-	-	-	23,520
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,290
TOTAL REQUEST.	-	-	-	24,810
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	24,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(5,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Prepare site and construct antenna foundations; soil settlement monitoring program; upgrade personnel support, airfield, wharf, utilities, and POL facilities.

11. REQUIREMENT: As Required.

PROJECT: Provides support facilities and site preparation for an electronic installation and operation.

REQUIREMENT: Phase I site preparation for installation of an electronic system. Construct and refurbish supporting facilities for operating the system at a remote site. This electronic installation is necessary to provide the required fleet readiness in the Aleutian area.

CURRENT SITUATION: No electronic system of this type is currently in place.

IMPACT IF NOT PROVIDED: Optimum performance of the electronic system to be installed under Phase II will be jeopardized.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 10-84
(b) Percent Complete as of January 1986............ 70

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, ADAK, ALASKA		
4. PROJECT TITLE RADAR SUPPORT FACILITIES		5. PROJECT NUMBER P-920

12. SUPPLEMENTAL DATA: (Continued)

(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.........(895)
(b) All Other Design Costs..........................(825)
(c) Total.. 1,720
(d) Contract.......................................(1,605)
(e) In-house.......................................(115)

(4) Construction start....................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Communication Equipment	OPN(BA-2)	1987	5,000

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL FACILITY, ADAK, ALASKA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 3.88

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	15	171	3	0	0	0	0	0	0	189
b. END FY 19 91	15	181	3	0	0	0	0	0	0	199

7. INVENTORY DATA ($000)

Tenant of NAS

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 1985	2,880
c. AUTHORIZATION NOT YET IN INVENTORY	6,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	15,130

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.45	Terminal Building Addition	5,000 SF	5,700	2-85	2-86
	TOTAL		5,700		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Oceanographic observation in selected areas to provide Navy with information on conditions within the area.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION NAVAL FACILITY, ADAK, ALASKA	4. PROJECT TITLE TERMINAL BUILDING ADDITION

5. PROGRAM ELEMENT 2 50 96 N	6. CATEGORY CODE 131.45	7. PROJECT NUMBER P-010	8. PROJECT COST ($000) 5,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TERMINAL BUILDING ADDITION	SF	5,000	-	4,050
BUILDING ADDITION.	SF	5,000	412.00	(2,060)
BUILDING RENOVATION.	LS	-	-	(1,990)
SUPPORTING FACILITIES.	-	-	-	1,130
ELECTRICAL UTILITIES	LS	-	-	(770)
MECHANICAL UTILITIES	LS	-	-	(310)
REHABILITATION OF TEMPORARY FACILITIES . .	LS	-	-	(50)
SUBTOTAL	-	-	-	5,180
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST.	-	-	-	5,440
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	300
TOTAL REQUEST.	-	-	-	5,740
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(4,300)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete building addition, concrete foundation and floor, metal roof, hardened walls around equipment areas; building renovations to integrate existing and new construction into unified facility; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 20,200 SF. ADEQUATE: 15,200 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs terminal building addition to house special terminal equipment associated with equipment upgrade and increased operations.

REQUIREMENT: Adequate secure space with firm electric power system, equipment spaces, analysis areas, administration, repair, parts and consumables storage for the sensor terminus at Adak.

CURRENT SITUATION: The terminal building was activated in 1962, with electronic equipment, repair, and administrative areas, and spaces for analysis of data. The facility has experienced several equipment upgrades and additions forcing some of the operations, repair, administration, and storage functions out of the building. The equipment areas are completely filled with electronics. During 1988 there will be another equipment upgrade, with new and additional equipment. The present building cann effectively or efficiently perform the present mission and has no space for improvements or increases in operation.

IMPACT IF NOT PROVIDED: Facility will be unable to support an equipment upgrade in 1988. Maximum use has now been made of all space, and no additional functions can be moved out into less secure and less

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL FACILITY, ADAK, ALASKA		
4. PROJECT TITLE TERMINAL BUILDING ADDITION		5. PROJECT NUMBER P-010

11. **REQUIREMENT:** (Continued)
IMPACT IF NOT PROVIDED: (Continued)
operationally appropriate space. Additional functions, improvements or increases in operations, and additional equipment cannot be accommodated.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
  (a) Date Design Started.............................. 2-85
  (b) Percent Complete as of January 1986............ 45
  (c) Percent Complete as of October 1986............ 100
  (d) Date Design Complete............................ 2-86

(2) Basis:
  (a) Standard or Definitive Design: Yes____ No X
  (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  (a) Production of Plans and Specifications........(185)
  (b) All Other Design Costs...........................(80)
  (c) Total.. 265
  (d) Contract...(255)
  (e) In-house...(10)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Shore Benefit Equipment	OPN(BA-2)	1986	4,300

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, ALAMEDA, CALIFORNIA	COMMANDER IN CHIEF, PACIFIC FLEET	1.25

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	717	10372	5405	2	11	0	100	490	0	17097
b. END FY 1991	819	12658	5416	2	11	0	820	490	0	20216

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,615)	
b. INVENTORY TOTAL AS OF 30 SEP 1985		87,480
c. AUTHORIZATION NOT YET IN INVENTORY		14,460
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		18,625
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		12,560
f. PLANNED IN NEXT THREE PROGRAM YEARS		18,020
g. REMAINING DEFICIENCY		27,080
h. GRAND TOTAL		178,225

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.70	Waterfront Support Fac	LS	950	7-85	4-86
812.30	Berthing Pier & Util Imprs	LS	17,675	9-85	9-86
	TOTAL		18,625		

9. Future Projects:

a. Included in following program (FY 88):

211.21	Aircraft Maintenance Facs	95,700 SF	12,560
			12,560

b. Major planned next three years:

113.20	Airfield Pavement Imprs	115,000 SY	5,880
124.30	Aircraft Ready Fuel Storage	LS	4,190
136.30	Runway Lighting	LS	3,740
724.11	BOQ Modernization	149 PN	3,400

10. Mission or Major Functions: Operates and maintains facilities, airfield and deepwater piers in support of aviation and operating forces of the Navy. Provides services and materials to support these forces, including aircraft maintenance, airfield and pierside services, and logistic support.

Aircraft carriers	Naval Air Reserve Unit
Guided Missile Cruisers	Naval Air Rework Facility

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	400
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, ALAMEDA, CALIFORNIA	4. PROJECT TITLE BERTHING PIER AND UTILITIES IMPROVEMENTS

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 012.30	7. PROJECT NUMBER P-204	8. PROJECT COST ($000) 17,675

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BERTHING PIER & UTILITIES IMPROVEMENTS . . .	LS	-	-	16,180
PIER MODIFICATIONS	LS	-	-	(1,600)
MOORING PLATFORM	LS	-	-	(700)
ELECTRICAL VAULTS.	LS	-	-	(680)
ELECTRICAL UTILITIES	LS	-	-	(10,200)
MECHANICAL UTILITIES	LS	-	-	(3,000)
SUBTOTAL	-	-	-	16,180
CONTINGENCY (5%)	-	-	-	810
TOTAL CONTRACT COST.	-	-	-	16,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	940
TOTAL REQUEST.	-	-	-	17,930
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	17,675
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct mooring platform; upgrade shore and pier electrical distribution system, steam distribution system, compressed air distribution system.

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11. REQUIREMENT: As Required.

PROJECT: Provides berthing pier improvements including a mooring platform and increased utilities.

REQUIREMENT: Adequate berthing pier to accommodate five homeported ships including three guided missile cruisers, a destroyer tender, and a mobile logistic support ship. As part of the Navy's strategic homeporting concept, escorts are being assigned to Alameda to maintain battle group integrity with homeported aircraft carriers. The additional homeported ships require electric power, steam, and compressed air.

CURRENT SITUATION: Two of the cruisers, the destroyer tender, and the logistic ship are on site, and the third cruiser will arrive in 1987. These ships require pierside utility services or must run their own on-board systems. This latter course requires continuous manning by the ships' crew, precluding the opportunity for maintenance work and liberty. Existing pier configuration and utilities cannot accommodate the proposed ship berthing. Electric power provided by two transformers is inadequate to support proposed demand. All utilities available at the pier are inadequate and utilized to their maximum capacity.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, ALAMEDA, CALIFORNIA		
4. PROJECT TITLE BERTHING PIER AND UTILITIES IMPROVEMENTS		5. PROJECT NUMBER P-204

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Alameda cannot support the homeporting assignment. To accommodate battle group integrity, one or more ships will have to be anchored in the bay and operate their on-board utility systems.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 9-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (600)
(b) All Other Design Costs......................... (105)
(c) Total... 705
(d) Contract.. (685)
(e) In-house.. (20)

(4) Construction start......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, BANGOR, WASHINGTON	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.15

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	401	3913	3222	33	409	0	0	0	0	7978
b. END FY 19 91	456	4529	3222	45	512	0	0	0	0	8764

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(6,690)
b. INVENTORY TOTAL AS OF 30 SEP 1985	260,450
c. AUTHORIZATION NOT YET IN INVENTORY	13,680
AUTHORIZATION REQUESTED IN THIS PROGRAM	15,230
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,850
f. PLANNED IN NEXT THREE PROGRAM YEARS	63,000
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	354,210

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.70	Sewerage System	LS	400	N/A	N/A
721.12	Bachelor Enlisted Quarters	51,000 SF	4,900	12-84	9-86
730.20	Security Building	15,430 SF	2,750	5-85	6-86
812.30	Electrical Distr Sys Imprs	LS	5,600	7-85	7-86
831.41	Hazardous Waste Facility	LS	1,280	8-85	4-86
832.30	Sewerage System	LS	300	9-85	3-86
	TOTAL		15,230		

9. Future Projects:

a. Included in following program (FY 88):

159.64	Small Boat Shop	8,630 SF	1,850
			1,850

b. Major planned next three years:

179.40	Rifle Range & Land Acq	LS	1,800
219.77	Roads & Grounds Shop	14,600 SF	2,100
724.12	BOQ Addition	42 PN	2,700
740.74	Child Care Center	LS	3,300

10. Mission or Major Functions: Provide support within CONUS for the operational TRIDENT system of submarines and long-range missiles. Provide for refit, logistic support, and flight test facilities for the TRIDENT system.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health (OSH): 0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, BANGOR, WASHINGTON	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT 1 18 96 N	6. CATEGORY CODE 721.12	7. PROJECT NUMBER P-047	8. PROJECT COST ($000) 4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLSITED QUARTERS	SF	51,000	75.00	3,830
SUPPORTING FACILITIES.	-	-	-	750
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(130)
ELECTRICAL UTILITIES	LS	-	-	(140)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(430)
SUBTOTAL	-	-	-	4,580
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,810
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	260
TOTAL REQUEST.	-	-	-	5,070
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete and masonry building, concrete spread
footing foundation, concrete floors, gable roof, fire protection system,
utilities; 65 two-bedroom modules with private bathrooms, lounges, laundry,
storage, vending, mechanical equipment.
Grade mix: 260 E1-E4. TOTAL: 260.

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11. REQUIREMENT: 1,925 PN. ADEQUATE: 1,665 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 260 enlisted personnel.
REQUIREMENT: Adequate housing for 1,923 bachelor enlisted personnel.
These personnel are either assigned to the station as permanent support or
as crew personnel of Trident Submarines.
CURRENT SITUATION: Existing berthing capacity of 1,665 includes 1,086
adequate spaces, 230 spaces under construction, 249 spaces funded in FY
1986, and 100 spaces in the local community. The total number of adequate
spaces are insufficient, resulting in overcrowding. A new construction
deficiency of 260 adequate billeting spaces exists. This project will
satisfy all currently identified construction requirements for bachelor
enlisted quarters. All projected space requirements are revalidated
annually by a new survey which updates planning projections.
IMPACT IF NOT PROVIDED: Adequate living quarters for all bachelor enlisted
personnel will continue to be unavailable, resulting in degradation of
morale, productivity, and career satisfaction.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, BANGOR, WASHINGTON		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-047

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
  (a) Date Design Started............................ 12-84
  (b) Percent Complete as of January 1986........... 45
  (c) Percent Complete as of October 1986........... 100
  (d) Date Design Complete............................ 9-86

(2) Basis:
  (a) Standard or Definitive Design: Yes ___ No X
  (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  (a) Production of Plans and Specifications........ (290)
  (b) All Other Design Costs.......................... (15)
  (c) Total... 305
  (d) Contract.. (15)
  (e) In-house.. (290)

(4) Construction start.......................... 3-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, BANGOR, WASHINGTON		4. PROJECT TITLE SECURITY BUILDING	
5. PROGRAM ELEMENT 1 18 96 N	6. CATEGORY CODE 730.20	7. PROJECT NUMBER P-140	8. PROJECT COST ($000) 2,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY BUILDING.	SF	15,430	105.00	1,630
SUPPORTING FACILITIES.	-	-	-	940
ELECTRICAL UTILITIES	LS	-	-	(190)
MECHANICAL UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(450)
SUBTOTAL	-	-	-	2,570
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,700
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,850
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,750
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete building, built-up roof on steel frame, concrete foundation and floor, detention cells, armory, fire protection system, ventilation system, communications system, utility connections.

11. REQUIREMENT: 151,450 SF. ADEQUATE: 88,980 SF. SUBSTANDARD: 18,400 SF.

PROJECT: Constructs building to house the security department including a police station, court facility, and offices for the legal staff.

REQUIREMENT: Security functions at Bangor require a police station with detention cells, a courtroom facility, and associated offices for legal and security staffs. It is desirable for all functions to be collocated because substantial coordination is required for their inter-related activities. The legal office and courtroom should be adjacent to the law library, the security staff of military and civil service personnel and the Base Support Services Contractor (BSSC) Security Force are involved with the legal staff and the court.

CURRENT SITUATION: Security force functions, including guard duty at gates, are performed by the BSSC out of a police station too small for the force of over 100 police, and too small to provide spaces for evidence rooms, communications center, detention cells, armory, fingerprinting room, and laboratory. Because there are no detention cells, individuals who must be detained are placed in any available room along with a member of the security force. The requirement to keep a uniformed guard with detained individuals is a wasteful use of personnel. There are no courtroom facilities at Bangor. Traffic court and other judicial and non-judicial

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL SUBMARINE BASE, BANGOR, WASHINGTON

4. PROJECT TITLE SECURITY BUILDING	5. PROJECT NUMBER P-140

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
court functions must be conducted in whatever conference room or classroom is available. All courts-martial are conducted at Puget Sound Naval Shipyard without a law library adjacent to the courtroom, often causing interruptions and loss of time in court proceedings. The law library is maintained by the legal staff in another building. The legal staff occupies offices on the second floor of a building scheduled for demolition. The security office occupies space on the second floor of another building. There are no other components or functions which can be moved to accommodate the increased space requirements of the security office.
IMPACT IF NOT PROVIDED: Continued vulnerability to vandalism and sabotage caused by the police station being improperly located, and continued overcrowding and potential for government liability because of improper detention facilities. As base personnel loading reaches full strength, court case loading will increase resulting in greater use of already inadequate facilities. The current inefficiencies caused by the location of the legal office away from the courtroom will continue.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 5-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(120)
(b) All Other Design Costs..........................(85)
(c) Total.. 205
(d) Contract.......................................(195)
(e) In-house.......................................(10)

(4) Construction start.......................... 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, BANGOR, WASHINGTON	4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT 1 18 96 N	6. CATEGORY CODE 812.30	7. PROJECT NUMBER P-151	8. PROJECT COST ($000) 5,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS.	LS	-	-	5,120
CIRCUIT BREAKERS & SWITCHGEAR.	LS	-	-	(3,910)
CONDUIT AND CABLE.	LS	-	-	(1,210)
SUBTOTAL	-	-	-	5,120
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST.	-	-	-	5,370
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	300
TOTAL REQUEST.	-	-	-	5,670
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Modifications to the electrical distribution system including: optical coupled wire relays between substations; bus differential relay protection in substations; 115 KV circuit breakers with current transformers; relocation of circuit switches.

11. REQUIREMENT. As Required.

PROJECT: Provides automated, remote control switching and monitoring of the main 115,000-volt base power transmission system.

REQUIREMENT: Adequate and proper protection of base transmission lines carrying electric power purchased from a local commercial utilities company from point of entry on the base to six major substations. A system is necessary for identifying and isolating faults and providing safety to personnel within substations.

CURRENT SITUATION: When line or bus faults occur, the base is subjected to outages and high-amperage surges causing additional faults before the original fault can be isolated. These surges potentially produce megavolt-ampers. There is presently no remote sensing system with a common control center to identify fault locations and display whether switches are opened or closed. Although the 115,000-volt transmission system makes a loop within the station boundry, providing the ability to isolate trouble spots and distribute electricity from both directions within the loop, there are no remote control switches to take advantage of this capability.

(Continued on DD 1391c)

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, BANGOR, WASHINGTON		
4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS		5. PROJECT NUMBER P-151

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Fault locations will not be readily identified, and current surges and base-wide outages causing shut-down of mission-essential facilities and severe safety hazards to personnel within substations will continue.

ADDITIONAL: The waterfront area has ample emergency power generation capability for submarines only, and critical communications, fire stations, and medical clinic facilities have emergency power. Therefore, most of the Submarine Base Bangor, all of the Trident Training Facility, Refit Industrial Facilities, and Special Weapons Facility Pacific support buildings are subject to total blackout at the same time.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 7-85
(b) Percent Complete as of January 1986............ 50
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete............................ 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (260)
(b) All Other Design Costs.......................... (85)
(c) Total... (345)
(d) Contract.. (320)
(e) In-house.. (25)

(4) Construction start........................ 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
TRIDENT REFIT FACILITY,
BANGOR, WASHINGTON

4. COMMAND
COMMANDER IN CHIEF,
PACIFIC FLEET

5. AREA CONSTR. COST INDEX
1.15

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	40	569	374	0	0	0	0	0	0	983
b. END FY 19 91	48	701	374	0	0	0	0	0	0	1123

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NSB
b. INVENTORY TOTAL AS OF 30 SEP 1985	164,960
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,570
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,700
f. PLANNED IN NEXT THREE PROGRAM YEARS	35,000
g. REMAINING DEFICIENCY	11,000
h. GRAND TOTAL	225,230

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	Elect Distr Sys Imprs	LS	980	12-84	1-86
844.15	Water Treatment Plant Impr	LS	590	8-85	5-86
	TOTAL		1,570		

9. Future Projects:

a. Included in following program (FY 88):

218.77	Repair Shop Storage	LS	800
441.10	Major Shore Spares Storage	[illegible] SF	2,000
610.10	Engineering Management Bldg	70,890 SF	8,900
812.30	Electric Power-Waterfront	LS	1,000
			12,700

b. Major planned next three years:

610.10	Transportation Facility	1,700 SF	800

10. Mission or Major Functions: Provide complete repair and refit service for the Pacific Fleet TRIDENT submarines, including all required services for ships alongside at the base.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, BARBERS POINT, HAWAII	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.34

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	551	3156	178	2	11	0	94	147	0	4139
b. END FY 19 91	528	3307	178	2	18	0	94	147	0	4274

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,070)
b. INVENTORY TOTAL AS OF 30 SEP 1985	90,980
c. AUTHORIZATION NOT YET IN INVENTORY	7,380
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	25,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	9,820
f. PLANNED IN NEXT THREE PROGRAM YEARS	37,720
g. REMAINING DEFICIENCY	53,810
h. GRAND TOTAL	225,010

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.05	TACAMO Support Complex	110,250 SF	25,300	5-83	6-86
	TOTAL		25,300		

9. Future Projects:

a. Included in following program (FY 88):

141.60	Photographic Building	8,000 SF	1,720
171.20	TACAMO Training Facility	61,000 SF	8,100
			9,820

b. Major planned next three years:

211.05	Maintenance Hangar	148,030 SF	6,180
724.11	BOQ Modernization	88 PN	5,390
740.43	Gymnasium	21,600 SF	4,450

10. Mission or Major Functions: Maintain and operate facilities and provide services and materials to support operation of aviation activities and units of the operating forces of the Navy.

Transient Carrier Air Group
Fleet Composite Squadron
Five ASW Patrol Squadrons
Fleet Air Reconnaissance Squadron
Lamps Helo Squadron
Coast Guard Air Station
Oceanographic Naval Facilitiy

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, BARBERS POINT, HAWAII	4. PROJECT TITLE TACAMO SUPPORT COMPLEX

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 211.05	7. PROJECT NUMBER P-194	8. PROJECT COST ($000) 25,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TACAMO SUPPORT COMPLEX	SF	110,250	-	13,110
HANGAR BUILDING.	SF	91,350	124.00	(11,330)
AIRCRAFT SPARES STORAGE FACILITY	SF	18,900	66.00	(1,250)
BUILT-IN EQUIPMENT	LS	-	-	(380)
TECHNICAL OPERATING MANUALS.	LS	-	-	(150)
SUPPORTING FACILITIES.	-	-	-	10,170
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,070)
UTILITIES.	LS	-	-	(5,560)
PAVING & SITE IMPR, RELOCATION, DEMOLITION	LS	-	-	(3,540)
SUBTOTAL	-	-	-	23,280
CONTINGENCY (5%)	-	-	-	1,160
TOTAL CONTRACT COST.	-	-	-	24,440
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,340
TOTAL REQUEST.	-	-	-	25,780
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	25,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame hangar building, concrete foundation and floors, masonry and corrugated metal walls, metal roof, power-operated sliding doors, overhead bridge crane; one-story storage facility, concrete foundation and floor, metal walls and roof; fire protection system, air conditioning and mechanical ventilation, utilities; security fencing; emergency power; relocation of five buildings, fuel storage tank, aircraft parking apron, avionics van complex, aircraft washrack, compass calibration facility; demolition of one building.

11. REQUIREMENT: 219,850 SF. ADEQUATE: 109,600 SF. SUBSTANDARD: 198,200 SF.

PROJECT: Constructs aircraft support complex.

REQUIREMENT: Secure hangar spaces for squadron personnel and aircraft with a critical communications mission.

CURRENT SITUATION: TACAMO EC-130 aircraft, in use since 1962, are nearing the end of their service life, and are to be replaced with E-6A aircraft. The hangar currently used for maintenance of EC-130 aircraft is not high enough or wide enough to accommodate the larger aircraft and modifications to it are not feasible. The concrete parking apron requires replacement to support the heavier aircraft.

IMPACT IF NOT PROVIDED: Barbers Point will be unable to adequately support and accommodate the operational and communications missions of the squadron upon introduction of E-6A aircraft.

(Continued on DD 1391c)

U.S. Government Printing Office: 1984-[illegible]

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, BARBERS POINT, HAWAII		
4. PROJECT TITLE TACAMO SUPPORT COMPLEX		5. PROJECT NUMBER P-194

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 5-83
(b) Percent Complete as of January 1986............ 40
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete........................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(1,075)
(b) All Other Design Costs.........................(500)
(c) Total.. 1,575
(d) Contract.......................................(1,500)
(e) In-house.......................................(75)

(4) Construction start.......................... 1-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL FACILITY, CENTERVILLE BEACH, CALIFORNIA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.32

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	18	236	18	0	0	0	0	0	0	272
b. END FY 19 91	17	230	20	0	0	0	0	0	0	267

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(98)	
b. INVENTORY TOTAL AS OF 30 SEP 1985		10,920
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,370
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		270
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		12,560

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	Security Improvements	LS	1,370	11-85	5-86
	TOTAL		1,370		

9. Future Projects:

a. Included in following program (FY 88):

811.60	Standby Generator Plant	LS	270
			270

b. Major planned next three years: None.

10. Mission or Major Functions: Oceanographic observations in assigned areas to provide basic data on conditions within the area.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL FACILITY, CENTERVILLE BEACH, CALIFORNIA	4. PROJECT TITLE SECURITY IMPROVEMENTS	

5. PROGRAM ELEMENT 2 50 96 N	6. CATEGORY CODE 872.10	7. PROJECT NUMBER P-001	8. PROJECT COST ($000) 1,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS.	LS	-	-	420
ENTRY CONTROL FACILITY BUILDING.	SF	530	264.00	(140)
SECURITY FENCING AND LIGHTING.	LF	2,100	133.00	(280)
SUPPORTING FACILITIES.	-	-	-	840
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(310)
UTILITIES.	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(410)
SUBTOTAL	-	-	-	1,260
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,330
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,400
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,370
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Entry control facility construction to be concrete foundation and floor, reinforced concrete walls and roof, bullet-resistant doors and windows, security fencing, lighting.

11. REQUIREMENT: As Required.

PROJECT: Provides improved physical security for the terminal equipment building and the surrounding area.

REQUIREMENT: Because of oceanographic data produced at the terminal equipment building, as well as the equipment and systems utilized in the production of the data, this facility must be physically secured. The growing values of this facility and its continual upgrading of data producing assets, in terms of sophistication and volume of output, makes it imperative that means be provided to protect the primary operational mission. Adequate warning and delay time are necessary to permit destruction of critical classified material in the event of an aggressor attempted intrusion. Improved physical security would provide 15 minutes for personnel to distribute arms and destroy the most critical classified material.

CURRENT SITUATION: Because of limited personnel resources, there is no guard force dedicated to the security of this facility. The existing physical security consists of a single chain link fence with three strands of barbed wire and no monitoring or intrusion detection alarms. Main access to the building is by a gate through the fence into the yard, then

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL FACILITY, CENTERVILLE BEACH, CALIFORNIA

4. PROJECT TITLE
SECURITY IMPROVEMENTS

5. PROJECT NUMBER
P-001

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
through a door protected only by a lock. Present physical security provides virtually no warning or delay time to take defensive action or to destroy any classified material.
IMPACT IF NOT PROVIDED: Operations conducted at the facility, as well as equipment and classified documents contained therein, will continue to be vulnerable to an aggressor force intrusion by even a small group. Classified documents and equipment will be compromised.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 11-85
- (b) Percent Complete as of January 1986.......... 40
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete.......................... 5-86

(2) Basis:
- (a) Standard or Definitive Design: Yes X No
- (b) Where Design Was Most Recently Used:

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (40)
- (b) All Other Design Costs........................ (65)
- (c) Total.. 105
- (d) Contract....................................... (85)
- (e) In-house....................................... (20)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	515	2811	279	620	647	0	282	944	0	6098
b. END FY 19 91	530	3231	279	620	983	0	282	944	0	6869

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,095)
b. INVENTORY TOTAL AS OF 30 SEP 1985	33,880
c. AUTHORIZATION NOT YET IN INVENTORY	47,010
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	21,170
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,600
f. PLANNED IN NEXT THREE PROGRAM YEARS	63,000
g. REMAINING DEFICIENCY	48,000
h. GRAND TOTAL	218,660

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.77	Operational Storage Warehouse	63,360 SF	3,720	9-85	9-86
155.20	Sealift Support Pier	1,190 FB	2,550	8-85	10-86
724.11	Bachelor Officer Quarters	105,930 SF	9,800	9-85	10-86
812.30	Electrical Distr Sys Imprs	LS	5,100	7-85	6-86
	TOTAL		21,170		

9. Future Projects:

a. Included in following program (FY 88):

143.20	SDV Operations Facility	LS	1,700
159.64	Explosive Ordnance Disp Fac	30,960 SF	3,900
			5,600

b. Major planned next three years:

143.45	Armories	10,800 SF	1,600
610.10	Sealift Support Facility	LS	1,000
724.11	Bachelor Officer Quarters	106,000 SF	10,000

10. Mission or Major Functions: Provides logistic support for commands of the surface forces, amphibious warfare forces, and training commands at Coronado.

Commander Surface Forces, US Pacific Fleet
Commander Amphibious Training Command, Pacific
Amphibious Construction Battalion
Underwater Demolition Teams

Landing Ship Flotilla
Amphibious School
SEAL Teams
Beach Groups and Units

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	OPERATIONAL STORAGE WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 47 96 N	143.77	P-078	3,720

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL STORAGE WAREHOUSE.	SF	63,360	34.00	2,130
SUPPORTING FACILITIES.	-	-	-	1,290
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(680)
UTILITIES.	LS	-	-	(420)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(190)
SUBTOTAL	-	-	-	3,420
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST.	-	-	-	3,590
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,790
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,720
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One single-story reinforced concrete frame building, pile foundation, concrete floor, precast concrete exterior wall panels, elastomeric roofing over metal deck, wet pipe sprinkler fire protection system, utilities; demolition of four buildings.

11. REQUIREMENT: 121,680 SF. ADEQUATE: 0 SF. SUBSTANDARD: 102,060 SF.

PROJECT: Provides an operational storage warehouse for the amphibious base to receive, store, and issue parts and supplies, and a servmart for efficiently withdrawing small items of low value.

REQUIREMENT: Adequate and properly configured materials storage and handling facilities for the amphibious base and its tenants, including the amphibious construction unit, special warfare group, a beach master unit, and a support unit from the naval supply center, all with material storage and handling requirements of daily receipt and issue. Adequate space near the amphibious construction battalion area to store materials and repair parts for floating port structures, barges, and craft. Some materials, such as rubber hoses and bladders will deteriorate if not properly stored. The sealift support function is a new mission and includes floating pontoon-type structures that can be towed to an invasion area. These structures can be arranged to form piers, floating cranes, warping tugs, fuel handling and storage, and small barges. Some of the pontoons are

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA		
4. PROJECT TITLE OPERATIONAL STORAGE WAREHOUSE		5. PROJECT NUMBER P-078

11. REQUIREMENT: (Continued)
self-propelled. Operational storage accommodates daily-use items as compared to long-range procurement and storage requirements that can be handled at a site remote from the base complex.
CURRENT SITUATION: Small, 40 year-old barracks and mess hall buildings scattered throughout the base are employed for operational materials storage. These buildings have low ceilings, poor loading and unloading facilities, and do not comply with requirements for fire safety, electrical and building codes, and OSH standards. Security and inventory control are difficult to maintain in these old, inadequate, and poorly configured buildings. Searching for supplies usually entails going from one building to another before all spare parts are obtained.
IMPACT IF NOT PROVIDED: Inefficiencies and ineffective methods of materials storage will continue. Locating and withdrawing materials will be difficult, compounding problems of inventory control. Materials for the Sealift Support Facilities Program will be stored outdoors, subject to damage from exposure to the elements.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 9-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(355)
(b) All Other Design Costs.........................(90)
(c) Total.. 445
(d) Contract.......................................(435)
(e) In-house.......................................(10)

(4) Construction start......................... 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	4. PROJECT TITLE SEALIFT SUPPORT PIER

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 155.20	7. PROJECT NUMBER P-154	8. PROJECT COST ($000) 2,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SEALIFT SUPPORT PIER	FB	1,190	-	1,590
PIER	SY	2,000	590.00	(1,180)
PIER UTILITIES	LS	-	-	(300)
FENDER SYSTEM.	LS	-	-	(110)
SUPPORTING FACILITIES.	-	-	-	760
ELECTRICAL UTILITIES	LS	-	-	(100)
MECHANICAL UTILITIES	LS	-	-	(280)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(380)
SUBTOTAL	-	-	-	2,350
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,470
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	130
TOTAL REQUEST.	-	-	-	2,600
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,550
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Small craft reinforced concrete pier, pre-stressed concrete piles, pier and shore utilities.

11. REQUIREMENT: 9,400 FB. ADEQUATE: 8,210 FB. SUBSTANDARD: 0 FB.

PROJECT: Provides small craft berthing space for floating structures, boats, and craft used in the Sealift Support Facilities Program (SSFP).

REQUIREMENT: Adequate pier berthing space for non-propelled floating causeway sections, self-propelled sections, floating crane, drydock, small tugs, landing craft, and barges. These floating structures and craft are a completely transportable sea-port and can be used to land invasion materials and supplies ashore for construction battalion amphibious operations at a landing beach. The SSFP includes fuel storage, piping, hoses, and pumps, and other non-floating equipment.

CURRENT SITUATION: The SSFP floating structures are berthed along a floating pier, with temporary utilities connections needed to repair and maintain the craft. The other piers at the amphibious base are needed for small operational and training boats and craft, and are on the opposite side of the peninsula from the amphibious construction battalion operations.

IMPACT IF NOT PROVIDED: Maintenance and repair of floating structures will be degraded. Berthing and utilities cannot be provided.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA

4. PROJECT TITLE
SEALIFT SUPPORT PIER

5. PROJECT NUMBER
P-154

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 8-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.............................. 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (155)
(b) All Other Design Costs............................ (60)
(c) Total.. 215
(d) Contract.. (205)
(e) In-house.. (10)

(4) Construction start........................ 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	4. PROJECT TITLE BACHELOR OFFICER QUARTERS

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 724.11	7. PROJECT NUMBER P-096	8. PROJECT COST ($000) 9,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS.	SF	105,930	-	8,030
BUILDING	SF	105,930	72.00	(7,630)
BUILT-IN EQUIPMENT	LS	-	-	(400)
SUPPORTING FACILITIES.	-	-	-	1,000
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(550)
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(100)
PAVING & SITE IMPROVEMENT, DEMOLITION. . .	LS	-	-	(200)
SUBTOTAL	-	-	-	9,030
CONTINGENCY (5%)	-	-	-	450
TOTAL CONTRACT COST.	-	-	-	9,480
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	520
TOTAL REQUEST.	-	-	-	10,000
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	9,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Ten-story reinforced concrete frame building, pile foundation, masonry walls, concrete floors and roof deck, built-up roof, elevators, fire protection system, ventilation, utilities; suites including combination living-bedroom, bathroom, pullman type kitchen, lounges, laundry, storage, vending, mechanical equipment; demolition of one building.

Grade mix: 214 W1-02. Total: 214.

11. REQUIREMENT: 709 PN. ADEQUATE: 378 PN. SUBSTANDARD: 270 PN.

PROJECT: Provides adequate billeting for 214 officer personnel.

REQUIREMENT: Adequate housing for 709 officer personnel either assigned duty at the base or are officer students in training at one of the several amphibious training schools.

CURRENT SITUATION: Existing berthing capacity of 378 spaces, including 270 substandard spaces requiring modernization, and accommodations found by 108 personnel in the local community, is insufficient, resulting in overcrowding. A new construction deficiency of 331 spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently proposed for FY 1990. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED: Adequate living quarters for officer personnel will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts.

(Continued on DD 1391c)

☆ U.S. Government Printing Office: 1984-[illegible]

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA

4. PROJECT TITLE
BACHELOR OFFICER QUARTERS

5. PROJECT NUMBER
P-096

11. REQUIREMENT: (Continued)
ADDITIONAL: The surrounding community has insufficient housing and cannot satisfy the station's berthing requirement.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 9-85
(b) Percent Complete as of January 1986............ 35
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete........................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (350)
(b) All Other Design Costs......................... (80)
(c) Total.. 430
(d) Contract....................................... (420)
(e) In-house....................................... (10)

(4) Construction start........................... 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
7 20 96 N	812.30	P-148	5,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS.	LS	-	-	4,700
SWITCHING STATIONS	LS	-	-	(1,560)
METAL-CLAD SECONDARY UNIT SUBSTATIONS. . .	LS	-	-	(870)
ELECTRICAL DISTRIBUTION AND TELEPHONE LINES	LS	-	-	(2,270)
SUBTOTAL	-	-	-	4,700
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST.	-	-	-	4,940
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	270
TOTAL REQUEST.	-	-	-	5,210
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two switching stations; convert 12 KV overhead incoming service to underground; install underground to 12 KV loop primary system; control system for management, metering, and maintenance of resources and equipment; demolition of one switching station, removal of polychlorinated biphenyl (PCB) substation transformers.

11. REQUIREMENT: As Required.

PROJECT: Provides high-voltage electric power distribution system, and a second supply feeder from the commercial power company.

REQUIREMENT: Comprehensive upgrading of the electric power distribution system to provide adequate, reliable electric power for existing facilities and new construction. The Sealift Support Facilities Program will construct several new facilities at Coronado between 1986 and 1991 which cannot be adequately supported by the existing electrical system.

CURRENT SITUATION: Existing electrical distribution system cannot satisfy requirements by operating at 100% of its installed capacity. Engineering analysis of the electrical system reveals that the base will begin to experience system failure and brown-outs during 1986. These will increase in severity and frequency as each new load is added to the system. Electrical load data show steady increases in total electrical demand from the present peaks that already are beyond the normal capability of the installed equipment to more than 30% higher by 1991. Circuit breakers in the switching stations are obsolete and repair parts are no longer

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA		
4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS		5. PROJECT NUMBER P-148

11. **REQUIREMENT:** (Continued)
CURRENT SITUATION: (Continued)
available. Protective devices do not insure reliable clearing of system failures. The lack of sectionalizing devices on the primary circuits require entire circuits be de-energized to make repairs, perform maintenance, or add new loads.
IMPACT IF NOT PROVIDED: Because of the advanced age of the system, preventative maintenance inspections will be increased. Maintenance outages will become increasingly more difficult to obtain, and will result in disruptive interference with the training mission of the activity. There will not be adequate primary electrical services to serve facilities construction.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 7-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(235)
(b) All Other Design Costs.........................(80)
(c) Total.. 315
(d) Contract.......................................(305)
(e) In-house.......................................(10)

(4) Construction start......................... 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.15

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	0	0	0	0	0	0	0	0	0	0
b. END FY 1991	383	6604	0	0	0	0	0	0	0	6987

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0-New Station)
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	17,640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	95,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	57,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	101,460
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	272,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
151.20	Carrier Support Complex (Increment II)	LS	95,400	7-85	7-86
	TOTAL		95,400		

9. Future Projects:

a. Included in following program (FY 88):

152.20	Wharf	1,100 FB	18,500
165.10	Dredging Inner Harbor	LS	8,800
213.30	Shore Intermediate Maint Act	135,000 SF	13,700
730.25	Security Facilities	LS	1,000
812.30	Utilities	LS	15,500
			57,500

10. Mission or Major Functions: Provide homeport facilities and logistic support for warships and auxiliaries of the Pacific Fleet. Provide harbor and waterfront facilities, exchange, personnel, athletic and recreational, berthing, and messing services.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON	4. PROJECT TITLE CARRIER SUPPORT COMPLEX (INCREMENT II)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 47 96 N	151.20	P-991	95,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CARRIER SUPPORT COMPLEX.	LS	-	-	87,740
PIER	LS	-	-	(35,000)
DREDGING AND BREAKWATER.	LS	-	-	(12,700)
SHORELINE IMPROVEMENT AND SEAWALL.	LS	-	-	(14,440)
UTILITIES AND SITE IMPROVEMENT	LS	-	-	(17,500)
LAND ACQUISITION	LS	-	-	(8,100)
SUBTOTAL.	-	-	-	87,740
CONTINGENCY (5%)	-	-	-	4,390
TOTAL CONTRACT COST.	-	-	-	92,130
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	5,070
TOTAL REQUEST.	-	-	-	97,200
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	95,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	-	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Berthing pier, 1,485 feet long, 120 feet wide, with approach ramp, one level reinforced concrete deck, pre-stressed concrete pile foundation, fender system of resilient steel-piles and fender piles with a treated-timber wearing surface, pier utilities include sanitary sewer system, potable water system, saltwater system, compressed air, steam and condensate, telecommunications, electric power, lighting, and cathodic protection; dredge and dispose of material from outer harbor; construct 1,600 foot rubble mound breakwater; a mole will be raised to connect the carrier pier and the wharf; shoreline dredging; shoreline fill; seawall construction; steel frame and reinforced concrete shore utilities plant building, pile foundation, steam and compressed air plants, two fuel oil storage tanks, telecommunications mains, ductways, electrical high-voltage main distribution switchboard, roads, storm drainage, parking areas, fire protection system, utilities; acquire interests in approximately 180 acres of land; relocation assistance; demolition of 30 buildings.

11. REQUIREMENT: As Required.

PROJECT: Constructs a pier with berthing capability along both sides to support a NIMITZ Class carrier and other combatant ships, providing utilities for cold iron, logistics and repair capabilities. Dredges the harbor at the proposed aircraft carrier pier, and the access areas to the pier. Constructs a protective breakwater adjacent to the pier area,

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON		
4. PROJECT TITLE CARRIER SUPPORT COMPLEX (INCREMENT II)		5. PROJECT NUMBER P-991

11. REQUIREMENT: (Continued)

PROJECT: (Continued)
and raises the elevation of a mole. Dredges along the shoreline surrounding the station and constructs seawalls to establish the shoreline and protect it from erosion. Provides fill material to raise the shore elevation to that necessary for future building construction. Contructs a shore utilities plant with steam and compressed air generation equipment, and with electrical and telephone systems for the base complex, forming a nucleus of utilities for original occupancy of the station. Second of two increments of land acquisition for a homeport site. This increment acquires 17 acres of dry land and 163 acres of submerged lands owned by the Port of Everett and the State of Washington. This land together with that acquired under the first increment will provide a site for the carrier pier and related projects.

REQUIREMENT: An adequate Navy capability in the Pacific Northwest for dispersal of US Navy ships and forces and to encourage industrial support from the civilian economy at additional and new sites. After a survey of potential suitable sites, Everett was selected as the homeport for a carrier battle group (CVBG) to be established in 1988. The CVBG will consist of an aircraft carrier and 12 escort vessels. Even if a northwest port were not developed, the proposed facilities would be needed at existing fleet support sites because of the arrival of new and larger ships.

CURRENT SITUATION: The Port of Everett has been selected as the site for the naval station in Puget Sound because of geographic advantages, including water access to the Pacific Ocean, and the industrial potential of the surrounding area, which extends to Seattle. There is no berthing pier available in this or any other area that was studied which can berth the Navy's largest ships, the NIMITZ Class aircraft carriers. Portions of the proposed station near the waterfront are composed of abandoned shipways, raveled shoreline, and loose fill material which will not support roads or structures. This fill material must be removed and replaced with properly compacted materials and protected with seawalls to prevent future raveling of the shoreline. Existing utilities are minimal and unable to support the development of a naval station. In fact, all utilities must be provided new to make the station operate, and most must be in this increment of construction for other facilities to be usable.

IMPACT IF NOT PROVIDED: No site will be available on which to construct facilities for homeporting the Pacific Northwest CVBG. The first ships are scheduled to arrive in Everett in 1988. No facilities on this station will be usable, and there will be no cold iron utilities for the berthed ships to assist in repair and maintenance. Future construction including marginal wharves, roads, and buildings cannot be accomplished.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON		
4. PROJECT TITLE CARRIER SUPPORT COMPLEX (INCREMENT II)		5. PROJECT NUMBER P-991

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 7-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: ____

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (3,020)
(b) All Other Design Costs......................... (1,420)
(c) Total... 4,440
(d) Contract... (4,350)
(e) In-house... (90)

(4) Construction start.......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3915

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, FALLON, NEVADA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.28

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	70	982	319	20	0	0	295	1245	0	2931
b. END FY 19 91	89	1003	353	20	0	0	295	1245	0	3005

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(141,060)
b. INVENTORY TOTAL AS OF 30 SEP 1985	61,680
c. AUTHORIZATION NOT YET IN INVENTORY	85,510
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	35,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,980
g. REMAINING DEFICIENCY	6,620
h. GRAND TOTAL	193,990

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
111.10	Parallel Runway	370,400 SY	17,000	10-85	10-86
179.71	Elect Warfare Range Imprs	LS	11,800	10-85	10-86
911.10	Land Acquisition	LS	6,400	N/A	N/A
	TOTAL		35,200		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

141.25	Aircraft Fire Station	7,720 SF	1,400
721.11	BEQ Modernization	323 PN	2,180
724.12	BOQ Modernization	50 PN	1,400

10. Mission or Major Functions: Maintains and operates facilities and provides services and materiels to support aerial weapons training for fleet squadrons and carrier air wings on rotational deployments.

Navy Strike Warfare Center
Four air-to-ground ranges
One electronic warfare range

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	750
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION,
FALLON, NEVADA

4. PROJECT TITLE
PARALLEL RUNWAY

5. PROGRAM ELEMENT
2 46 96 N

6. CATEGORY CODE
111.10

7. PROJECT NUMBER
P-067

8. PROJECT COST ($000)
17,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PARALLEL RUNWAY.	SY	370,400	-	11,000
RUNWAY/TAXIWAY/HOLDING AREAS	SY	286,500	29.00	(8,310)
BLAST/SHOULDER/RUNWAY OVERRUN STABILIZATION	SY	83,900	15.00	(1,270)
RUNWAY/TAXIWAY LIGHTING.	LF	13,300	21.00	(280)
MAGAZINES.	SF	8,750	130.00	(1,140)
SUPPORTING FACILITIES.	-	-	-	4,610
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(3,830)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(90)
DEMOLITION AND RELOCATION.	LS	-	-	(690)
SUBTOTAL	-	-	-	15,610
CONTINGENCY (5%)	-	-	-	780
TOTAL CONTRACT COST.	-	-	-	16,390
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	906
TOTAL REQUEST.	-	-	-	17,236
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	17,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

11,000-foot x 200-foot runway, taxiway, holding areas, blast pavement, shoulder stabilization, runway overrun stabilization, runway and taxiway lighting, magazines; utilities; relocate boresite range, turn-up area, transmitter facility, perimeter road and fence; demolition of seven magazines.

11. REQUIREMENT: 681,500 SY. ADEQUATE: 311,100 SY. SUBSTANDARD: 116,700 SY.

PROJECT: Constructs a parallel runway, taxiway and associated airfield pavements and other improvements.

REQUIREMENT: A parallel runway for safe takeoffs and landings of station and Strike Warfare Training Center aircraft. Fallon is a deployment site for Naval tactical aircraft, fighter, attack, ASW and electronic which use its several air-to-ground gunnery ranges for individual and group training exercises. With the establishment of the Strike Warfare Center, this use will increase. As many as 20 aircraft will at times engage in a single large scale, integrated air exercise. Any emergency involving an aircraft landing or taking off, which obstructs the present single primary runway, forces remaining aircraft to divert to other fields or use the substandard crosswind runway. Should two emergencies occur simultaneously, especially in the air, the consequences could be tragic. In 1982, a pilot and an A-7E aircraft were lost attempting to land on the crosswind runway, a loss that almost certainly would not have occurred if an adequate parallel runway had been available. With an increased tempo of operations, the accident potential is significantly increased.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, FALLON, NEVADA		5. PROJECT NUMBER P-067
4. PROJECT TITLE PARALLEL RUNWAY		

11. REQUIREMENT: (Continued)
CURRENT SITUATION: The single primary runway is over-committed during training sessions. Flight operations are compromised with only one runway. The crosswind runway does not meet requirements because of its inadequate length, width, crosswind orientation, and lack of safe overruns. It is used for only 5% of the routine aircraft operations and 90% of the arrested landings. This 5% use is largely for light propellor driven aircraft or helicopters, or if the primary runway is temporarily closed. Being oriented for crosswinds, it is poorly suited for the winds prevailing most of the time. It is short, only 7,000 feet, and narrow, only 150 feet, and does not have 3,000-foot overruns prescribed by airfield criteria. The surface is badly deteriorated, giving the potential for severe foreign-object-damage to jet engines.
IMPACT IF NOT PROVIDED: Aircraft operations will continue to be restricted to the primary runway, hampering realistic training. Student pilots will be subjected to operating conditions with a reduced margin of error.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:.. 10-85
(a) Date Design Started.............................. 35
(b) Percent Complete as of January 1986.............. 100
(c) Percent Complete as of October 1986.............. 10-86
(d) Date Design Complete..............................

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (200)
(b) All Other Design Costs........................ (380)
(c) Total... 580
(d) Contract...................................... (570)
(e) In-house...................................... (10)

(4) Construction start........................ 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, FALLON, NEVADA	4. PROJECT TITLE ELECTRONIC WARFARE RANGE IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 46 96 N	179.71	P-269	11,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONIC WARFARE RANGE IMPROVEMENTS. . . .	LS	-	-	6,390
RANGE EMITTER SITES.	LS	-	-	(3,300)
SUPPORT BUILDINGS.	SF	30,750	78.00	(2,410)
LIQUID FUEL FACILITIES	LS	-	-	(230)
HELICOPTER SUPPORT FACILITIES.	LS	-	-	(450)
SUPPORTING FACILITIES.	-	-	-	4,260
UTILITIES.	LS	-	-	(2,540)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,720)
SUBTOTAL	-	-	-	10,650
CONTINGENCY (5%)	-	-	-	530
TOTAL CONTRACT COST.	-	-	-	11,180
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	620
TOTAL REQUEST.	-	-	-	11,800
BUDGET INFLATION ADJUSTMENT.	-	-	-	11,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(27,500)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Electronic warfare range land sites supporting land based simulated hostile radio frequency threat emitters; support buildings for supervisory, operational, maintenance, supply and security personnel; liquid fuel storage and dispensing systems; helicopter support facilities; electrical distribution lines, substations, emergency generators, water and sanitary systems, fire protection systems, site preparation and roads.

11. REQUIREMENT: As Required.

PROJECT: Provides site preparation, roads, utilities and support facilities for radio frequency threat emitters which simulate defensive enemy electronic measures and countermeasures likely to be encountered in an aircraft strike against land targets.

REQUIREMENT: A training range representing realistic hostile threat emitters, with a density and diversity representative of that likely to be encountered in a real life attack by strike aircraft.

CURRENT SITUATION: The present electronic warfare range has an insufficient number of emitters, and are clustered too closely together to be representative of hostile threat situations that may be encountered by deployed Naval strike aircraft. The present range support complex is comprised of small wooden buildings and vintage equipment vans, which are in poor condition. There are no other electronic warfare training ranges available elsewhere in the Navy.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, FALLON, NEVADA		
4. PROJECT TITLE ELECTRONIC WARFARE RANGE IMPROVEMENTS		5. PROJECT NUMBER P-269

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Tactical aircraft crews will deploy to world trouble spots without adequate levels of training in coordinated land strike attack methods and procedures. Losses of pilots, aircrews, and expensive aircraft will potentially occur or be higher than normal.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	10-85
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	10-86
(2) Basis:	
(a) Standard or Definitive Design:	Yes ___ No X
(b) Where Design Was Most Recently Used:	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	(370)
(b) All Other Design Costs	(240)
(c) Total	610
(d) Contract	(600)
(e) In-house	(10)
(4) Construction start	4-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Threat Emitters	OPN	1985-1986	27,500

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION,
FALLON, NEVADA

4. PROJECT TITLE
LAND ACQUISITION

5. PROGRAM ELEMENT 2 46 96 N

6. CATEGORY CODE 911.10

7. PROJECT NUMBER P-277

8. PROJECT COST ($000) 6,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION	LS	-	-	5,900
SUBTOTAL	-	-	-	5,900
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST.	-	-	-	6,200
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	340
TOTAL REQUEST.	-	-	-	6,540
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	6,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Acquisition of interests in approximately 4,400 acres of land.

11. REQUIREMENT: As Required.

PROJECT: Acquires remainder of privately-owned land within Dixie Valley, Nevada. The land is adjacent to the electronic warfare test range and under the newly created supersonic operations area.

REQUIREMENT: Implementation of a supersonic operating area over Dixie Valley enables tactical air combat crews to train in a realistic air combat environment. Resulting noise and possible impacts from sonic booms on residential and commericial properties, in addition to noise and safety hazards from existing operations, necessitate the acquisition of this land. This project completes acquisition of all privately-owned lands within the valley.

CURRENT SITUATION: Inhabitants of Dixie Valley are subject to noise and safety hazards from Navy aircraft approaching the electronic warfare range and practicing supersonic maneuvers. Complaints from landowners jeopardize the continued performance of these important training operations. Navy is currently acquiring 7,700 acres of improved land in Dixie Valley under the authority of 10 USC 2672a.

(Continued on DD 1391c)

☆ U.S. Government Printing Office: 1984—[illegible]

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, FALLON, NEVADA		
4. PROJECT TITLE LAND ACQUISITION		5. PROJECT NUMBER P-277

11. **REQUIREMENT:** (Continued)
IMPACT IF NOT PROVIDED: Development will continue, with more homes being built. Noise complaints will increase and safety hazards will continue. Pressure to curtail or eliminate operations will increase. Training mission will be adversely affected.

12. **SUPPLEMENTAL DATA:** Not applicable.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, LEMOORE, CALIFORNIA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.20

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	491	5290	1163	100	454	0	3	86	0	7587
b. END FY 1991	509	5274	1163	99	611	0	0	33	0	7689

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(39,174)
b. INVENTORY TOTAL AS OF 30 SEP 1985	178,430
c. AUTHORIZATION NOT YET IN INVENTORY	24,230
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	980
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	500
f. PLANNED IN NEXT THREE PROGRAM YEARS	34,800
g. REMAINING DEFICIENCY	53,580
h. GRAND TOTAL	292,520

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.15	Indust Waste Treat Facilities	LS	980	9-85	5-86
	TOTAL		980		

9. **Future Projects:**

a. Included in following program (FY 88):

218.50	Battery Shop	2,830 SF	500
			500

b. Major planned next three years:

171.35	Operational Trainer Facility	19,000 SF	3,400
721.11	Bachelor Enlisted Quarters	LS	3,800
872.10	Security Fence	25,000 LF	4,850
921.10	Restrictive Use Pavement	31,200 AC	15,000

10. **Mission or Major Functions:** Maintain and operate facilities and provide services and materials to support operations of aviation activities of the Pacific Fleet.

Fleet Light Attack (A-7 and F/A-18) Squadrons
Replacement Training Squadrons
Carrier Air Wings

11. **Outstanding pollution and safety deficiencies:**

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY

FY 1987 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL STATION,
LONG BEACH, CALIFORNIA

4. COMMAND
COMMANDER IN CHIEF,
PACIFIC FLEET

5. AREA CONSTR. COST INDEX
1.21

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	879	10235	3256	1	0	0	116	789	0	15276
b. END FY 1991	925	11740	3256	1	0	0	116	789	0	16827

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,352)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	71,950
c. AUTHORIZATION NOT YET IN INVENTORY	28,690
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,990
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,830
f. PLANNED IN NEXT THREE PROGRAM YEARS	36,000
g. REMAINING DEFICIENCY	75,000
h. GRAND TOTAL	228,460

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	Bachelor Enlisted Quarters	77,600 SF	7,050	10-85	10-86
724.12	Bachelor Officer Quarters	34,000 SF	3,730	9-85	3-86
812.20	Lighting Systems	LS	210	8-85	4-86
	TOTAL		10,990		

9. **Future Projects:**

a. Included in following program (FY 88):

151.20	Pier Extension	450 FB	2,600
217.20	Collimation Tower	LS	230
730.15	Brig	60 PN	3,000
			5,830

b. Major planned next three years:

143.78	Hazardous Materials Storage	3,000 SF	350
730.84	Religious Education Building	3,300 SF	500

10. **Mission or Major Functions:** Provide services and facilities to support shore activities in the Los Angeles and Long Beach areas, and for operating forces of the Navy. Provide ship berthing, training, administration, storage, medical, dental, troop and family housing, exchange, commissary, recreation and morale facilities for tenants and off-base activities.

Long Beach Naval Shipyard
Naval Regional Medical Center
Naval Dental Clinic
Naval Reserve Center
Ships in Overhaul
Long Beach Division; Naval Undersea Center, San Diego
Long Beach Annex; Naval Supply Center, San Diego
Homeported Ships

11. **Outstanding pollution and safety deficiencies:** ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, LONG BEACH, CALIFORNIA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-173	8. PROJECT COST ($000) 7,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	77,600	76.00	5,890
SUPPORTING FACILITIES.	-	-	-	490
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(230)
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(140)
SUBTOTAL	-	-	-	6,380
CONTINGENCY (5%)	-	-	-	320
TOTAL CONTRACT COST.	-	-	-	6,700
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	370
TOTAL REQUEST.	-	-	-	7,070
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	7,050
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story reinforced concrete frame building, pile foundation, masonry walls, concrete floors and roof decking, built-up roof, elevators, fire protection system, ventilation, utilities; 100 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment. Grade mix: 160 E1-E4, 120 E5-E6. Total: 280.

11. REQUIREMENT: 2,340 PN. ADEQUATE: 1,925 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for 280 enlisted personnel. Because real estate at this activity is severely limited, a multi-story design must be used to conserve available property.

REQUIREMENT: Adequate housing for 2,340 enlisted personnel either assigned to the station, the shipyard, uninhabitable ships in overhaul, or other tenant activities.

CURRENT SITUATION: Existing adequate berthing capacity of 1,925 spaces, including accommodations found by 150 personnel in the local community, is insufficient, resulting in overcrowding. A new construction deficiency of 415 adequate billeting spaces exists. After construction of the spaces requested by this project the remaining projected space deficit will be satisfied by a follow-on project currently unprogrammed. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED: Personnel from ships undergoing overhaul, other authorized personnel projected to be on board by 1989, as well as

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, LONG BEACH, CALIFORNIA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-173

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)
transients, will not be berthed on the station. These personnel will be forced to seek housing in the civilian community, which is detrimental to morale and career retention efforts.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 10-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete............................ 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(295)
(b) All Other Design Costs.........................(55)
(c) Total.. 350
(d) Contract.......................................(340)
(e) In-house.......................................(10)

(4) Construction start.......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, LONG BEACH, CALIFORNIA	4. PROJECT TITLE BACHELOR OFFICER QUARTERS

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 724.12	7. PROJECT NUMBER P-174	8. PROJECT COST ($000) 3,730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS.	SF	34,000	80.00	2,720
SUPPORTING FACILITIES.	-	-	-	710
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(570)
UTILITIES.	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(60)
SUBTOTAL	-	-	-	3,430
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST.	-	-	-	3,600
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,800
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,730
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Six-story reinforced concrete frame and masonry building, pile foundation, concrete floors and roof deck, built-up roof, elevators, fire protection system, ventilation, utilities; suites for junior officers have a combination living-bedroom, bathroom, and a pullman type kitchen; suites for senior officers have a living room, bedroom, bathroom, and kitchen; lounges, laundry, storage, vending, mechanical equipment.
Grade mix: 22 W1-02, 34 03-above. Total: 56.

11. REQUIREMENT: 208 PN. ADEQUATE: 136 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for 56 officer personnel.

REQUIREMENT: Adequate housing for 208 officer personnel.

CURRENT SITUATION: Existing berthing capacity of 136 spaces, including 49 adequate on-base assets and accommodations found by 87 personnel in the local community, is insufficient, resulting in overcrowding. A new construction deficiency of 72 adequate billeting spaces exists. After construction of the spaces requested by this project the remaining 16 projected space deficit will be satisfied by the civilian community. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED: Overcrowding of present facilities will continue to the detriment of training, morale and career retention efforts.

(Continued on DD 1391c)

U.S. Government Printing Office: 1984—[illegible]

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION, LONG BEACH, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR OFFICER QUARTERS	P-174

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	9-85
(b)	Percent Complete as of January 1986	50
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	3-86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X

(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	(160)
(b)	All Other Design Costs	(100)
(c)	Total	260
(d)	Contract	(250)
(e)	In-house	(10)

(4) Construction start........................ 11-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL MAGAZINE, LUALUALEI, HAWAII	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.27

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	23	214	262	0	0	0	0	2	0	501
b. END FY 1991	20	223	262	0	0	0	0	2	0	507

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(12,111)
b. INVENTORY TOTAL AS OF 30 SEP 1985	99,160
c. AUTHORIZATION NOT YET IN INVENTORY	3,130
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,350
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	21,500
g. REMAINING DEFICIENCY	80,000
h. GRAND TOTAL	214,640

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
212.10	Missile Maint Facility	5,230 SF	2,850	6-85	5-86
216.30	Mine Maintenance Fac Mod	LS	860	8-84	12-84
872.15	Security Improvements	LS	640	6-85	1-86
	TOTAL		4,350		

9. Future Projects:

a. Included in following program (FY 88):

171.20	Exp Ordn Disposal Trng Bldg	22,910 SF	3,100
212.10	Missile Rework Shop	9,130 SF	3,400
			6,500

b. Major planned next three years:

225.10	Torpedo Shop	LS	4,000
812.30	Electrical Distribution Lns	LS	1,200
813.20	Wharf Utility Modernization	LS	16,300

10. Mission or Major Functions: Receives, transships, stores and issues explosive ordnance for the military services in Hawaii and the Pacific Ocean area.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL MAGAZINE, LUALUALEI, HAWAII		4. PROJECT TITLE MISSILE MAINTENANCE FACILITY	
5. PROGRAM ELEMENT 2 49 96 N	6. CATEGORY CODE 212.10	7. PROJECT NUMBER P-126	8. PROJECT COST ($000) 2,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE MAINTENANCE FACILITY	SF	5,230	-	1,830
BUILDING	SF	5,230	178.00	(930)
BUILT-IN EQUIPMENT	LS	-	-	(900)
SUPPORTING FACILITIES.	-	-	-	750
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(380)
ELECTRICAL UTILITIES	LS	-	-	(50)
MECHANICAL UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(180)
SUBTOTAL	-	-	-	2,580
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,710
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,860
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete guided missile maintenance facility designed to withstand blast over-pressure; electronic interference shielding, emergency power generator, explosion-proof electrical fixtures, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 17,120 SF. ADEQUATE: 6,860 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides missile maintenance shop including test and repair areas, storage, and administrative space.

REQUIREMENT: Adequate facility for inspection, prescribed periodic and preventive maintenance, and recertification of conventional TOMAHAWK missiles. This facility is necessary to support introduction of this new weapon system.

CURRENT SITUATION: The TOMAHAWK missile is being introduced with special requirements for maintenance and storage. Existing shops built to accommodate ASROC and other lighter and smaller missiles do not have proper maintenance and materials handling equipment, ceiling height, and floor layout to accommodate the TOMAHAWK missile. This activity has only a third of the work space needed to maintain and repair all missiles included in its mission to fully support homeported and transiting ships and aircraft of the fleet. Existing shops are being fully utilized in support of smaller missiles.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL MAGAZINE, LUALUALEI, HAWAII		
4. PROJECT TITLE MISSILE MAINTENANCE FACILITY		5. PROJECT NUMBER P-126

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: The TOMAHAWK missile with its special test and repair requirements cannot be supported. Special ventilation to prevent fuel fume contamination of adjacent areas and a special and necessary electromagnetic shielding will not be available.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 6-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 5-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(125)
- (b) All Other Design Costs..........................(140)
- (c) Total... 265
- (d) Contract..(240)
- (e) In-house..(25)

(4) Construction start......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	881	6822	1840	137	434	0	50	723	0	10887
b. END FY 1991	1002	7795	1863	150	466	0	36	636	0	11948

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(23,422)
b. INVENTORY TOTAL AS OF 30 SEP 1985	173,910
c. AUTHORIZATION NOT YET IN INVENTORY	6,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	44,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,280
f. PLANNED IN NEXT THREE PROGRAM YEARS	40,030
g. REMAINING DEFICIENCY	20,300
h. GRAND TOTAL	291,720

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.05	Maintenance Hangar Addn	20,400 SF	5,110	11-85	10-86
211.45	Avionics Shop Addition	30,800 SF	3,240	11-85	10-86
721.11	Bachelor Enlisted Quarters	146,950 SF	13,200	8-85	10-86
730.15	Consolidated Brig	190,800 SF	22,500	8-85	8-86
826.40	Hangar Utilities Imprs	LS	350	7-84	4-86
	TOTAL		44,400		

9. Future Projects:

a.	Included in following program (FY 88):		
218.60	Ground Support Equipment Shop	53,000 SF	6,280
			6,280
b.	Major planned next three years:		
149.15	Fixed Point Aircraft Util Sys	LS	10,460
171.35	Operational Trainer Facility	LS	4,790
721.11	Bachelor Enlisted Quarters	396 PN	6,730
724.11	BOQ Modernization	32 PN	4,490

10. Mission or Major Functions: Maintain and operate facilities and provide services and materials to support operations of aviation activities of the Pacific Fleet. Homeport of West Coast Fleet Fighter Squadrons.

Replacement Training Squadron
Photo and Composite Squadrons
Four Naval Air Reserve Squadrons
Airborne Early Warning (E-2B) Squadrons
Fleet Fighter Squadrons
Fighter Weapons School
Carrier Air Wings

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	2,150
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA	4. PROJECT TITLE MAINTENANCE HANGAR ADDITION

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 211.05	7. PROJECT NUMBER P-297	8. PROJECT COST ($000) 5,110

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGAR ADDITION.	SF	20,400	-	3,820
HANGAR ADDITION.	SF	20,400	90.00	(1,840)
PARKING APRON AND TAXIWAY.	SY	18,670	43.00	(800)
AIRCRAFT WASHRACK.	SY	1,800	90.00	(160)
SERVICE BUILDINGS AND ISLANDS.	LS	-	-	(750)
SHOULDER STABILIZATION	SY	45,000	6.00	(270)
SUPPORTING FACILITIES.	-	-	-	880
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(150)
UTILITIES.	LS	-	-	(370)
PAVING AND SITE IMPROVEMENT, RELOCATION. .	LS	-	-	(360)
SUBTOTAL	-	-	-	4,700
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,930
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	270
TOTAL REQUEST.	-	-	-	5,200
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,110
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One and two-story steel frame building addition, pile foundation, concrete floors, masonry and metal panel walls, metal and built-up roofing, jib crane, monorail, compressed air, intercom, public address system, 400 Hz power, fire protection system, utilities; concrete access and parking aprons, taxiways, shoulder stabilization; washrack with pollution control facilities; service buildings, relocation of line shelters.

11. REQUIREMENT: 136,900 SF. ADEQUATE: 116,500 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides an aircraft hangar addition, parking apron, and taxiway.

REQUIREMENT: Planned expansion increasing the number of aircraft carriers will add another Airborne Early Warning Squadron to this station, the west coast homeport for this type aircraft. This squadron will be commissioned in 1986 and is scheduled to become fully operational in September of 1987. Adequate hangar facilities are required to house the squadron's personnel, aircraft, and equipment. The station presently supports five E-2 aircraft fleet squadrons and one training squadron. The E-2 provides long-range radar intercept and flight control services for the carrier and its combat aircraft.

CURRENT SITUATION: The present hangar used by the on-board E-2C squadrons is fully utilized, with no space available for the new squadron. All maintenance hangars at the activity are fully utilized by other squadrons.

(Continued on DD 1391c)

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U.S. Government Printing Office: 1984—[illegible]

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA		
4. PROJECT TITLE MAINTENANCE HANGAR ADDITION		5. PROJECT NUMBER P-297

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: The new squadron cannot be adequately supported because of inadequate space. Squeezing the new squadron into the hangar occupied by the other E-2 squadrons would severely derogate working conditions. Excessive noise and congestion will be generated, and the potential for accidents will increase.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 11-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (240)
- (b) All Other Design Costs......................... (45)
- (c) Total.. 285
- (d) Contract....................................... (270)
- (e) In-house....................................... (15)

(4) Construction start......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA	4. PROJECT TITLE AVIONICS SHOP ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 46 96 N	211.45	P-267	3,240

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIONICS SHOP ADDITION	SF	30,800	92.00	2,820
SUPPORTING FACILITIES.	-	-	-	160
UTILITIES.	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(60)
SUBTOTAL	-	-	-	2,980
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,130
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,300
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,240
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building addition, concrete foundation and floor, metal roof deck, built-up insulated roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 72,930 SF. ADEQUATE: 42,130 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs an addition to the avionics maintenance shop.

REQUIREMENT: Adequate and expanded avionics shop facilities are necessary to meet an increased maintenance workload and to support additional automated test equipment, production control, material control, supply support and space for precision measurement equipment maintenance and calibration. Additional new systems to be supported, and the equipment associated therewith, require additional avionics maintenance spaces.

CURRENT SITUATION: Aviation units assigned to Miramar include 23 squadrons flying a total of 241 aircraft encompassing 7 different types. The avionics shop provides maintenance services for all of these. The station's maintenance department is one of the largest activities of its kind in the Navy, with 25,000 maintenance actions performed each month, over half of these in the avionics shop. The avionics division troubleshoots, repairs, and tests communication, navigation, radar, electronic countermeasures, and other sophisticated aviation electronic systems.

IMPACT IF NOT PROVIDED: Station cannot provide total maintenance for the various aircraft avionics systems. A degradation in fleet readiness will occur.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA		
4. PROJECT TITLE AVIONICS SHOP ADDITION		5. PROJECT NUMBER P-267

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 11-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (165)
- (b) All Other Design Costs......................... (90)
- (c) Total.. 255
- (d) Contract....................................... (230)
- (e) In-house....................................... (25)

(4) Construction start......................... 2-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-179	8. PROJECT COST ($000) 13,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	146,950	67.00	9,810
SUPPORTING FACILITIES.	-	-	-	2,290
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(530)
ELECTRICAL UTILITIES	LS	-	-	(120)
MECHANICAL UTILITIES	LS	-	-	(380)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,260)
SUBTOTAL	-	-	-	12,100
CONTINGENCY (5%)	-	-	-	600
TOTAL CONTRACT COST.	-	-	-	12,700
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	700
TOTAL REQUEST.	-	-	-	13,400
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	13,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete and masonry building, concrete foundation and floors, built-up roof, fire protection system, ventilation, utilities; 198 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment.
Grade mix: 792 E1-E4. Total: 792.

11. REQUIREMENT: 3,858 PN. ADEQUATE: 2,975 PN. SUBSTANDARD: 1,418 PN.

PROJECT: Provides adequate billeting for 792 enlisted personnel.

REQUIREMENT: Adequate housing for 3,858 enlisted personnel either assigned to the station as permanent support or to tenant commands and rotational squadrons.

CURRENT SITUATION: Existing berthing capacity of 2,975 spaces, including 1,418 substandard spaces requiring modernization and accommodations found by 589 personnel in the local community, is insufficient, resulting in overcrowding. A new construction deficiency of 883 adequate billeting spaces exists. After construction of the spaces requested by this project, it is anticipated that the remaining projected 91 space deficit will be eliminated by the next bachelor housing survey, based upon the current trend which is reflecting a gradual increase in total number of Navy married enlisted personnel. This trend has slightly reduced the overall projected bachelor housing requirements, and should eliminate the need for a follow-on project at this activity. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

(Continued on DD 1391c)

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1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA		5. PROJECT NUMBER P-179
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		

11. **REQUIREMENT:** (Continued)
IMPACT IF NOT PROVIDED: Overcrowding of adequate facilities will continue, and personnel will be berthed in facilities below minimum standards of adequacy, to the detriment of morale and career retention efforts.

12. **SUPPLEMENTAL DATA:**

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 5-85
(b) Percent Complete as of January 1986.......... 35
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (840)
(b) All Other Design Costs......................... (640)
(c) Total... 1,480
(d) Contract...................................... (110)
(e) In-house...................................... (1,370)

(4) Construction start.......................... 5-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA	4. PROJECT TITLE CONSOLIDATED BRIG

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
8 57 96 N	730.15	P-889	22,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSOLIDATED BRIG.	SF	190,800	-	18,520
HOUSING.	SF	93,650	103.00	(9,700)
ADMINISTRATIVE AND TRAINING.	SF	80,020	98.00	(7,850)
SUPPORT SPACE.	SF	17,130	57.00	(970)
SUPPORTING FACILITIES.	-	-	-	2,150
ELECTRICAL UTILITIES	LS	-	-	(270)
MECHANICAL UTILITIES	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,660)
SUBTOTAL	-	-	-	20,670
CONTINGENCY (5%)	-	-	-	1,030
TOTAL CONTRACT COST.	-	-	-	21,700
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,190
TOTAL REQUEST.	-	-	-	22,890
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	22,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame building, concrete foundations and floors, masonry walls, built-up roof, prisoner berthing space for 365 males and 35 females, dining, training, religious, medical, recreational, library, administration and counseling; air conditioning, fire protection system, utilities.

11. REQUIREMENT: 190,800 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a consolidated brig to house prisoners with sentences of thirty days to one year.

REQUIREMENT: A recently completed study of the Navy penal system recommended the Navy establish a three tier confinement system. Small facilities at major fleet concentrations to house prisoners with sentences of thirty days or less who will be returning to duty, larger consolidated facilities for prisoners with sentences of thirty days to one year, and non-Navy facilities for long termers with sentences over one year. A 400 person consolidated brig on the west coast is required to implement the proposed disciplinary system.

CURRENT SITUATION: No facility exists which can serve as the consolidated brig.

IMPACT IF NOT PROVIDED: The proposed disciplinary system plan cannot be implemented.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA		
4. PROJECT TITLE CONSOLIDATED BRIG		5. PROJECT NUMBER P-889

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 8-85
(b) Percent Complete as of January 1986............ 35
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete............................ 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (280)
(b) All Other Design Costs.......................... (55)
(c) Total... 335
(d) Contract.. (305)
(e) In-house.. (30)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, PEARL HARBOR, HAWAII	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.27

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	1396	9444	4785	0	0	0	145	483	0	16253
b. END FY 19 91	1463	11443	4785	0	0	0	139	479	0	18309

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(5,842)
b. INVENTORY TOTAL AS OF 30 SEP 1985	117,600
c. AUTHORIZATION NOT YET IN INVENTORY	3,900
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,240
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	19,700
f. PLANNED IN NEXT THREE PROGRAM YEARS	90,000
g. REMAINING DEFICIENCY	170,000
h. GRAND TOTAL	404,440

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.25	Seal Team Trng & Supp Bldg	15,500 SF	3,240	6-85	6-86
	TOTAL		3,240		

9. Future Projects:

a. Included in following program (FY 88):

163.20	Mooring Platform	2 EA	5,200
721.11	BEQ Modernization	326 PN	3,500
812.30	Wharf Electrical Power	5,280 LF	11,000
			19,700

b. Major planned next three years:

154.10	Bulkhead	1,200 LF	4,200
722.10	Mess Hall Addition	22,150 SF	5,400

10. Mission or Major Functions: Provide logistic support to homeported and transient ships, tenant commands, and dependent activities. Support includes harbor and waterfront services, athletic and recreational services, berthing, messing, exchange, security, and personnel. Serves the shipyard; supply center; magazine; submarine base; Commander in Chief, Pacific Fleet; and other small headquarters and minor activities.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	500

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, PEARL HARBOR, HAWAII	4. PROJECT TITLE SEAL TEAM TRAINING AND SUPPORT BUILDING

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 143.25	7. PROJECT NUMBER P-378	8. PROJECT COST ($000) 3,240

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SEAL TEAM TRAINING & SUPPORT BUILDING. . . .	SF	15,500	-	2,530
BUILDING	SF	15,500	130.00	(2,020)
STORAGE SHED	LS	-	-	(100)
BUILT-IN EQUIPMENT	LS	-	-	(410)
SUPPORTING FACILITIES.	-	-	-	460
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(80)
ELECTRICAL UTILITIES	LS	-	-	(170)
MECHANICAL UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(150)
SUBTOTAL	-	-	-	2,990
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,140
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,310
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,240
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(25,700)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel frame building, masonry walls, structural engineered fill, concrete foundation and floor, bridge crane and hoist assembly, fire protection system, air conditioning and mechanical ventilation, utilities.

11. REQUIREMENT: 15,500 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs facilities in a secure, fenced compound for training and maintenance of specialized, classified, waterborne vehicles.

REQUIREMENT: The SEAL Delivery Vehicle (SDV) Team One, Dry Deck Shelter (DDS) Unit at Pearl Harbor will receive two dry deck shelters (DDS) and three SEAL delivery vehicles (SDV) starting in 1986. The DDS's are classified vehicles. Special secure space is needed for the dry deck shelters, for the personnel who perform the maintenance and training, and for support equipment including cradles, training devices, lifting and handling devices, and trailer vans with equipment needed during deployment.

CURRENT SITUATION: The Dry Deck Shelter Unit has no facilities with proper security to accommodate necessary training and operations for these highly classified vehicles. A site of proper size and security on Ford Island will be developed.

IMPACT IF NOT PROVIDED: Impossible to provide the training, quality assurance, systems certification, and maintenance demanded of deep dive systems.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL STATION, PEARL HARBOR, HAWAII

4. PROJECT TITLE
SEAL TEAM TRAINING AND SUPPORT BUILDING

5. PROJECT NUMBER
P-378

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 6-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(165)
(b) All Other Design Costs........................(160)
(c) Total... 325
(d) Contract......................................(300)
(e) In-house......................................(25)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Dry Deck Shelter Deep diving system with lifting devices, support vans, training devices, and accessories	OPN(BA-2)	1983-1985	25,700

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.27

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	505	4426	166	34	232	0	21	82	0	5466
b. END FY 1991	454	4320	166	29	288	0	21	82	0	5360

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(106)
b. INVENTORY TOTAL AS OF 30 SEP 1985	47,530
c. AUTHORIZATION NOT YET IN INVENTORY	23,540
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	690
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,700
f. PLANNED IN NEXT THREE PROGRAM YEARS	32,000
g. REMAINING DEFICIENCY	21,000
h. GRAND TOTAL	137,460

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
165.10	Dredging	LS	690	1-85	2-86
	TOTAL		690		

9. Future Projects:

a.	Included in following program (FY 88):		
441.10	General Warehouse	LS	9,500
740.43	Physical Fitness Center	45,000 SF	1,400
740.88	Educational Services Center	12,100 SF	1,800
			12,700
b.	Major planned next three years:		
151.50	Pier Improvements	LS	2,400
610.10	Supply Administrative Bldg	25,400 SF	700

10. Mission or Major Functions: Maintain and operate shore facilities for training and experimental operations of the submarine forces; provide logistic support to submarines. Serves the Commander, Submarine Forces, US Pacific Fleet and two submarine attack squadrons.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, SAN DIEGO, CALIFORNIA	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	2768	34044	3013	221	4882	0	226	417	0	45517
b. END FY 1991	2271	30629	3013	290	5166	0	179	1401	0	42949

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,509)
b. INVENTORY TOTAL AS OF 30 SEP 1985	150,210
c. AUTHORIZATION NOT YET IN INVENTORY	34,480
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	19,460
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	69,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	48,000
g. REMAINING DEFICIENCY	120,000
h. GRAND TOTAL	441,950

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
165.10	Dredging	231,000 CY	1,260	8-84	3-86
721.11	Bachelor Enlisted Quarters	219,640 SF	18,200	11-85	9-86
	TOTAL		19,460		

9. Future Projects:

a. Included in following program (FY 88):

151.20	Berthing Pier	2,800 FB	36,000
151.20	Elect & Magnetic Test Pier	LS	9,000
217.20	Collimation Tower	LS	300
721.11	Bachelor Enlisted Quarters	922 PN	17,500
730.83	Chapel & Religious Ed Bldg	15,800 SF	2,400
831.15	Oily Waste System	LS	4,600
			69,800

10. Mission or Major Functions: Provide homeport facilities for warships, amphibious ships, and auxiliaries of the Pacific Fleet. Provide harbor and waterfront facilities, exchange, personnel support, athletic, recreational, berthing, messing, morale, and other logistics facilities.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	16,660
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, SAN DIEGO, CALIFORNIA		4. PROJECT TITLE DREDGING	
5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 165.10	7. PROJECT NUMBER P-296	8. PROJECT COST ($000) 1,260

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DREDGING	CY	231,000	5.00	1,150
SUBTOTAL	-	-	-	1,150
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,210
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,280
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,260
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Dredge San Diego Channel from 200 feet south of Pier 8 to north of the Coronado Bridge from -35 foot MLLW to -38.5 foot MLLW, including a 1.5 foot over-depth.

11. REQUIREMENT: As Required.

PROJECT: Increases the depth of water in the channel.

REQUIREMENT: The newer classes of destroyers and cruisers assigned to the station require a greater water depth. They are larger and deeper, with SONAR equipment extending too far below the surface to permit them to use the shipping channel from the Coronado bridge to the station. A minimum water depth of 37 feet in the channel is necessary to insure no damage to ships.

CURRENT SITUATION: The main channel to the station presently has a depth of only 35 feet, with some areas as shallow as 33.5 feet, and ships have touched bottom causing hull damage. At present, it is necessary to berth some ships at deep-draft and carrier piers at NAS North Island. As the deep-draft population grows, this alternative will no longer be possible.

IMPACT IF NOT PROVIDED: The station will continue to have an inadequate channel depth, too shallow for the newer, larger ships in the fleet. The station's mission to support the Pacific Fleet will be impaired.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE DREDGING		5. PROJECT NUMBER P-296

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 8-84
(b) Percent Complete as of January 1986........... 60
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 3-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(160)
(b) All Other Design Costs..........................(15)
(c) Total... 175
(d) Contract..(165)
(e) In-house..(10)

(4) Construction start......................... 3-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 47 96 N	721.11	P-253	18,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	219,640	-	14,640
BUILDING	SF	219,640	63.00	(13,840
BUILT-IN EQUIPMENT	LS	-	-	(800)
SUPPORTING FACILITIES.	-	-	-	2,060
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,330)
ELECTRICAL UTILITIES	LS	-	-	(230)
MECHANICAL UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(400)
SUBTOTAL	-	-	-	16,700
CONTINGENCY (5%)	-	-	-	830
TOTAL CONTRACT COST.	-	-	-	17,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	970
TOTAL REQUEST.	-	-	-	18,500
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	18,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Nine-story reinforced concrete frame building, pile foundation, masonry walls, concrete floors and roof deck, built-up roof, elevators, fire protection system, ventilation, utilities; 288 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment. Grade mix: 688 E1-E4, 232 E5-E6. Total: 920.

11. REQUIREMENT: 7,140 PN. ADEQUATE: 4,490 PN. SUBSTANDARD: 612 PN.

PROJECT: Provides adequate billeting for 920 enlisted personnel.

REQUIREMENT: Adequate housing for 7,140 enlisted personnel either assigned to the station, attached to small homeported or uninhabitable ships in overhaul, attending fleet training schools, working in the Shore Intermediate Maintenance Activity, or attached to other tenant commands which support the fleet.

CURRENT SITUATION: Existing berthing capacity of 4,490 spaces, including 612 substandard spaces requiring modernization and accommodations found by 1,136 personnel in the local community, is insufficient, resulting in overcrowding. A new construction deficiency of 2,650 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by follow-on projects currently proposed for Fiscal Years 1989, 1990, and 1991. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-253

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Overcrowding of adequate facilities will continue, and personnel will be berthed in facilities below minimum standards of adequacy, to the detriment of morale and career retention efforts.
ADDITIONAL: The surrounding community has insufficient housing and cannot statisfy the station's berthing requirement.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 11-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(1,000)
(b) All Other Design Costs.........................(175)
(c) Total.. 1,175
(d) Contract.......................................(1,135)
(e) In-house.......................................(40)

(4) Construction start......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA	COMMANDER IN CHIEF, PACIFIC FLEET	1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	450	5262	40	23	66	0	0	7	0	5848
b. END FY 19 91	505	6363	40	35	117	0	0	7	0	7067

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(289)	
b. INVENTORY TOTAL AS OF 30 SEP 1985		33,060
c. AUTHORIZATION NOT YET IN INVENTORY		45,560
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		8,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		58,000
g. REMAINING DEFICIENCY		17,000
h. GRAND TOTAL		171,020

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
721.11	Bachelor Enlisted Quarters	53,200 SF	9,100	8-85	10-86
811.60	Sewerage System Imprs	LS	300	5-85	6-86
	TOTAL		9,400		

9. Future Projects:

	a. Included in following program (FY 88):		
151.20	Pier Extension	230 FB	2,000
154.30	Seawall	660 LF	2,000
213.58	Small Craft Facility	18,000 SF	4,000
			8,000
	b. Major planned next three years:		
213.77	Ships Spares Storage	18,100 SF	1,700
721.12	Bachelor Enlisted Quarters	280 PN	13,000

10. Mission or Major Functions: Provide logistic support for submarines and shore activities, including berthing, messing, recreation, records, morale, and other general base support.

Two Submarine Tenders	Commander, Submarine Group Five
Two Submarine Squadrons	Commander, Submarine Development Group One

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT 2 48 96 N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-053	8. PROJECT COST ($000) 9,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	53,200	-	7,120
BUILDING	SF	53,200	74.00	(3,940)
VEHICLE PARKING BUILDING	VE	248	10,565	(2,620)
BUILT-IN EQUIPMENT	LS	-	-	(560)
SUPPORTING FACILITIES.	-	-	-	1,230
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(320)
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(910)
SUBTOTAL	-	-	-	8,350
CONTINGENCY (5%)	-	-	-	420
TOTAL CONTRACT COST.	-	-	-	8,770
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	480
TOTAL REQUEST.	-	-	-	9,250
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	9,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Eight-story reinforced concrete and masonry building, pile foundation, concrete floors, built-up roof, fire protection system, elevators, utilities; 70 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; two-story reinforced concrete vehicle parking building designed for 248 cars with expansion capability. Grade mix: 116 E1-E4, 82 E5-E6. Total: 198.

11. REQUIREMENT: 1,777 PN. ADEQUATE: 1,188 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for 198 enlisted personnel.

REQUIREMENT: Adequate housing for 1,777 enlisted personnel either assigned to this activity, stationed aboard submarines homeported here, or at tenant commands.

CURRENT SITUATION: Existing berthing capacity of 1,188 spaces, including accommodations found by 95 personnel in the local community, is insufficient, resulting in overcrowding. A new construction deficiency of 589 adequate billeting spaces exists. After construction of the spaces requested by this project the remaining projected space deficit will be satisfied by a follow-on project currently proposed for FY 1989. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED: Overcrowding of adequate facilities will continue, and personnel will be berthed in facilities below minimum standards of adequacy, to the detriment of morale and career retention efforts.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-053

11. REQUIREMENT: (Continued)
ADDITIONAL: The surrounding community has insufficient housing and cannot satisfy the station's berthing requirement.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 8-85
(b) Percent Complete as of January 1986.......... 40
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(370)
(b) All Other Design Costs..........................(120)
(c) Total.. 490
(d) Contract..(475)
(e) In-house..(15)

(4) Construction start........................ 5-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL STATION,
SEATTLE, WASHINGTON

4. COMMAND
COMMANDER IN CHIEF,
PACIFIC FLEET

5. AREA CONSTR. COST INDEX
1.30

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	6	1115	460	0	0	0	0	0	0	1751
b. END FY 19 91	222	1590	470	0	0	0	0	0	0	2282

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (271)
b. INVENTORY TOTAL AS OF 30 SEP 1985 17,740
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 2,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 5,300
g. REMAINING DEFICIENCY 0
h. GRAND TOTAL 25,990

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730.15	Brig	29,540 SF	2,950	1-84	10-86
	TOTAL		2,950		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

159.20	Degaussing Building	LS	1,000
219.10	Public Works Shop	LS	3,000
610.10	Administrative Building	LS	1,300

10. Mission or Major Functions: Provide logistic and personnel support for Navy activities in the Seattle area including Supervisor Shipbuilding, Destroyer Squadron, Naval Reserves, Naval Investigative Service, Finance Office, Commissary, Exchange, Dispensary.

11. Outstanding pollution and safety deficiencies: ($000)
a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health (OSH): 0

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S/N 0102 LF 001 3801

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, SEATTLE, WASHINGTON	4. PROJECT TITLE BRIG

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 730.15	7. PROJECT NUMBER P-021	8. PROJECT COST ($000) 2,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BRIG	SF	29,540	-	2,200
BUILDING	SF	29,000	75.00	(2,180)
STORAGE BUILDING	SF	540	37.00	(20)
SUPPORTING FACILITIES	-	-	-	500
UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT	LS	-	-	(350)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST	-	-	-	2,830
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	160
TOTAL REQUEST	-	-	-	2,990
REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	2,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, fire protection system, utilities; includes dormitories, cells, processing and exam rooms, administration, counseling, multi-purpose room with food service line.

11. REQUIREMENT: 29,540 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a brig, including workshops, to provide prisoners with meaningful work and training.

REQUIREMENT: Adequate facilities to confine prisoners from Seattle, with a naval population exceeding 12,000 persons, plus naval prisoners in the surrounding area. The facility will accommodate 55 male and five female prisoners, comply with Navy standards on prisoner welfare, security, and rehabilitation efforts, and improve physical conditions such as fire protection, safety, and habitability. The prisoners held here will be serving sentences of up to 30 days.

CURRENT SITUATION: The present brig is leased from the Washington State National Guard. There are four wooden and one masonry buildings in the complex. All are inadequate in size and function with deficiencies that cannot be economically corrected. There are insufficient hard cells and other facilities to meet basic reasonable requirements. The facilities for female prisoners are especially inadequate. Because the existing brig cannot being used, prisoners must be transported to other Navy brigs at considerable transportation and administration cost. There are no available spaces to modify.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, SEATTLE, WASHINGTON		
4. PROJECT TITLE BRIG		5. PROJECT NUMBER P-021

IMPACT IF NOT PROVIDED: Unable to provide naval activities in the region with adequate brig support. Navy will not live up to its established standards for prisoner rehabilitation, safety, habitability, and fire protection. Lack of facilities meeting standards will cause morale and discipline problems.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 1-84
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes X No ____
(b) Where Design Was Most Recently Used: Design based on a concept design developed for waterfront brigs.

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(310)
(b) All Other Design Costs.........................(215)
(c) Total.. 525
(d) Contract.......................................(480)
(e) In-house.......................................(45)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL STATION MARE ISLAND,
VALLEJO, CALIFORNIA

4. COMMAND
COMMANDER IN CHIEF,
PACIFIC FLEET

5. AREA CONSTR. COST INDEX
1.25

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	262	1915	1380	26	1012	0	20	168	0	4783
b. END FY 19 91	235	1699	1380	31	1253	0	24	190	0	4812

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NSY
b. INVENTORY TOTAL AS OF 30 SEP 1985	15,550
c. AUTHORIZATION NOT YET IN INVENTORY	10,230
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	470
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	11,200
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	37,450

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730.84	Religious Educ Bldg Alters	LS	470	8-85	1-86
	TOTAL		470		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

721.11	Bachelor Enlisted Quarters	128 PN	3,200
724.11	Bachelor Officer Quarters	54 PN	4,600
730.20	Police Station	4,450 SF	1,000
730.83	Chapel	18,740 SF	2,400

10. Mission or Major Functions: Provides logistic support for military forces in the Mare Island and Vallejo areas, including berthing, messing, recreation and athletics, security, and other personnel functions.

Naval Shipyard
Marine Barracks
Ships in Overhaul

Combat Systems Technical School Command
Naval Electronic Systems Engineering Command

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	5,100
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.12

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	760	5776	776	98	360	0	0	0	0	7770
b. END FY 19 91	986	7346	776	114	398	0	0	0	0	9620

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (70,998)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	153,050
c. AUTHORIZATION NOT YET IN INVENTORY	30,690
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,180
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,480
f. PLANNED IN NEXT THREE PROGRAM YEARS	22,470
g. REMAINING DEFICIENCY	12,000
h. GRAND TOTAL	249,870

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
113.20	Aircraft Parking Apron	29,850 SY	3,510	10-83	3-86
171.35	Flight Simulator Bldg Addn	LS	980	10-85	9-86
841.51	Water Treatment Facility	LS	690	9-85	4-86
	TOTAL		5,180		

9. Future Projects:

	a. Included in following program (FY 88):		
211.21	Aircraft IMA Facility	41,350 SF	6,480
			6,480
	b. Major planned next three years:		
171.20	Weapons Training Building	8,330 SF	9,970
214.20	Auto Vehicle Maint Shop	17,130 SF	5,060
218.61	GSE Building Addition	17,930 SF	3,910
421.32	Ammunition Storage Facility	16,450 SF	3,530

10. Mission or Major Functions: Maintain and operate facilities and provide services and material to support operations of aviation activities of the Pacific Fleet. Homeport for Pacific Fleet medium attack jet aircraft and all electronic countermeasures aircraft.

Carrier Air Wing	Replacement Training Squadrons
Attack Squadrons	Naval Air Reserve Squadrons
Electronic Countermeasures Squadrons	

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	5,600

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
S/N 0102 LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON	4. PROJECT TITLE AIRCRAFT PARKING APRON

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 113.20	7. PROJECT NUMBER P-035	8. PROJECT COST ($000) 3,510

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT PARKING APRON	SY	29,850	-	2,170
APRON	SY	29,850	52.00	(1,540)
AIRCRAFT STARTING CONSOLES	EA	6	36,670	(220)
COMPRESSOR BUILDING	LS	-	-	(410)
SUPPORTING FACILITIES	-	-	-	1,060
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(140)
ELECTRICAL UTILITIES	LS	-	-	(770)
MECHANICAL UTILITIES	LS	-	-	(150)
SUBTOTAL	-	-	-	3,230
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,390
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	182
TOTAL REQUEST	-	-	-	3,572
REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	3,510
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Portland cement concrete parking apron with aircraft starting consoles, compressor building with pile foundation, mechanical and electrical utilities, apron and taxiway lighting.

11. REQUIREMENT: 354,100 SY. ADEQUATE: 281,180 SY. SUBSTANDARD: 125,760 SY.

PROJECT: Provides an aircraft parking apron for the A-6E squadron which will use the hangar approved in the FY 1985 Military Construction Program.

REQUIREMENT: Adequate aircraft parking for a new squadron's fourteen A-6E medium attack aircraft, together with fixed point utility systems for starting and maintaining the aircraft. As part of the Navy's expansion program, an additional aircraft carrier will join the Pacific Fleet. Aircraft squadrons will be commissioned to provide planes for this carrier.

CURRENT SITUATION: A hangar was authorized and funded in the FY 1985 Military Construction Program to provide this activity a maintenance capability for this new squadron. This project is the second increment needed to provide the facilities necessary to accommodate the new squadron. Squadron will become operational in 1987, and presently lacks an adequate parking apron for its aircraft. There is substandard parking available, but it does not have in-apron utility systems essential for starting and maintaining the aircraft. This substandard parking is distant from the hangar being built for the squadron. Future projects will be programmed to accommodate the station's remaining needs, which are of lesser priority.

(Continued on DD 1391c)

1. COMPONENT NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON

4. PROJECT TITLE
AIRCRAFT PARKING APRON

5. PROJECT NUMBER
P-035

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Aircraft will be parked on a substandard apron, remote from their squadron hangar, with attendant inefficiencies and degradation in readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 10-83
(b) Percent Complete as of January 1986........... 65
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 3-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (10)
(b) All Other Design Costs......................... (55)
(c) Total.. 65
(d) Contract....................................... (55)
(e) In-house....................................... (10)

(4) Construction start.......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

CHIEF OF NAVAL EDUCATION & TRAINING

FY 1987 MILITARY CONSTRUCTION PROGRAM
CHIEF OF NAVAL EDUCATION & TRAINING INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NAS Corpus Christi, TX	260	Facility Energy Improvements	$ 690	$ 690	746
		Subtotal	690	690	
FCTCLANT Dam Neck, VA	915	Chapel	0	1,570	344
	908	Electrical Distribution System	820	820	779
		Subtotal	820	2,390	
NAVGMSCOL Dam Neck, VA	116	Submarine Training Building Addition	3,140	3,140	347
		Subtotal	3,140	3,140	
NTC Great Lakes, IL	390	Fire Fighting Trainer	5,300	5,300	350
		Subtotal	5,300	5,300	
NCTC Gulfport, MS	714	Seabee Instruction Building	1,180	1,180	353
		Subtotal	1,180	1,180	
NAS Kingsville, TX	224	Jet Engine Test Cell Facility	3,140	3,140	356
	218	Fire Alarm System	640	640	779
		Subtotal	3,780	3,780	
NAS Memphis, TX	094	Aviation Ordnanceman Training Building	12,800	12,800	359
	005	Brig	2,750	2,750	361
	018	Entrance Roads Improvement	1,570	1,570	363
	182	Water Treatment Facility	260	260	754
		Subtotal	17,380	17,380	
NAS Meridian, MS	169	Airfield Pavements	3,170	3,170	366
	217	Gas Generating Plant	590	590	774
	247	Physical Security Improvements	250	250	774
	252	Facility Energy Improvements	650	650	745
		Subtotal	4,660	4,660	
NSS New London, CT	173	Advanced Engineering Training Facility	6,200	6,200	369
	329	Submarine Fire Fighting Trainer Facility	3,340	3,340	371
		Subtotal	9,540	9,540	

FY 1987 MILITARY CONSTRUCTION PROGRAM
CHIEF OF NAVAL EDUCATION & TRAINING INDEX (CONTINUED)
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NETC Newport, RI	308	Bachelor Officer Quarters	$ 8,800	$ 8,800	374
	174	Utility Systems Improvements	2,900	2,900	376
		Subtotal	11,700	11,700	
SWOSCOLCOM Newport, RI	360	Surface Warfare Officer Training Facility	8,840	8,840	379
		Subtotal	8,840	8,840	
FTC Norfolk, VA	179	Electrical Trades Training Building Addition	5,400	5,400	382
		Subtotal	5,400	5,400	
NTC Orlando, FL	226	Advanced Underwater Weapons Training Facility	2,950	2,950	385
	223	Public Works Shop	2,550	2,550	387
	425	Barracks	8,440	8,440	389
	001	Fire Station	1,230	1,230	391
		Subtotal	15,170	15,170	
NAVDIVSALTRNGCEN Panama City, FL	313	Diver Training Building Addition	2,850	2,850	394
		Subtotal	2,850	2,850	
NTTC Pensacola, FL	109	Instrumentman Training Facility	4,610	4,610	397
	071	Controlled Humidity Storage Facility	1,570	1,570	399
	115	Boiler Plant Modifications	1,180	1,180	744
		Subtotal	7,360	7,360	
NCTC Port Hueneme, CA	436	Seabee Fleet Support Training Facilities	3,240	3,240	402
	431	Automotive Vehicle Maintenance Facility	1,470	1,470	404
		Subtotal	4,710	4,710	
FLTINTTRNGCENPAC San Diego, CA	001	Intelligence Training Building	4,220	4,220	407
		Subtotal	4,220	4,220	
FTC San Diego, CA	013	Weapons Training Building	3,930	3,930	410
		Subtotal	3,930	3,930	

FY 1987 MILITARY CONSTRUCTION PROGRAM
CHIEF OF NAVAL EDUCATION & TRAINING INDEX (CONTINUED)
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NTC San Diego, CA	332	Machinery Repairman Training Building	$ 5,700	$ 5,700	413
	171	Barracks	4,220	4,220	415
	083	Electrical Distribution System Improvements	8,250	8,250	417
	352	Bridge	2,950	2,950	419
		Subtotal	21,120	21,120	
NTTC San Francisco, CA	216	Fire Fighting Trainer Facility	9,820	9,820	422
		Subtotal	9,820	9,820	
COMBATSYSTECHSCOLCOM Mare Island, Vallejo, CA	025	Combat Systems Maintenance Training Facility	5,200	5,200	425
		Subtotal	5,200	5,200	
NAS Whiting Field, FL	201	Runway Improvement	2,120	2,120	428
		Subtotal	2,120	2,120	
TOTAL - CHIEF OF NAVAL EDUCATION AND TRAINING			148,930	150,500	

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, CORPUS CHRISTI, TEXAS	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 0.91

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	348	1271	563	349	0	0	0	0	0	2531
b. END FY 1991	554	4906	563	364	0	0	0	0	0	6387

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (4,383)	116,870
b. INVENTORY TOTAL AS OF 30 SEP 1985	6,510
c. AUTHORIZATION NOT YET IN INVENTORY	690
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	90,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	58,600
f. PLANNED IN NEXT THREE PROGRAM YEARS	16,720
g. REMAINING DEFICIENCY	289,590
h. GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	Facility Energy Improvements	LS	690	4-84	7-86
	TOTAL		690		

9. Future Projects:

	a. Included in following program (FY 88):	LS	60,700
151.20	Berthing Pier	LS	12,500
165.10	Dredging	LS	17,000
932.10	Site Improvement		90,200
	b. Major planned next three years:	LS	6,530
136.10	Airfield Lighting Modern	LS	33,700
213.30	Support Facilities		

10. Mission or Major Functions: Maintain and operate facilities and provide services and materials in support of basic and advanced Navy pilot training in propellor aircraft.

	Training Wing Four
Coast Guard	Three Training Squadrons
Corpus Christi Army Depot	Homeport For Four Ship's
Chief of Naval Air Training	

	($000)
11. Outstanding pollution and safety deficiencies:	0
a. Air pollution:	0
b. Water pollution:	430
c. Occupational safety and health (OSH):	

DD FORM 1 DEC 76 1390

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION FLEET COMBAT TRAINING CENTER ATLANTIC, DAM NECK, VIRGINIA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	262	2339	592	137	2101	0	36	238	0	5705
b. END FY 19 91	357	2471	631	159	1477	0	65	11	0	5171

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,039)
b. INVENTORY TOTAL AS OF 30 SEP 1985	68,130
c. AUTHORIZATION NOT YET IN INVENTORY	41,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	820
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,610
f. PLANNED IN NEXT THREE PROGRAM YEARS	39,890
g. REMAINING DEFICIENCY	2,440
h. GRAND TOTAL	157,080

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730.83	Chapel	11,500 SF	0*	4-85	5-85
812.30	Electrical Distribution Sys	LS	820	NA	NA
	TOTAL		820		

*Prior-year authorization, $1,570,000 funding requested in this program.

9. Future Projects:

a. Included in following program (FY 88):

610.10	Management Complex	LS	1,200
730.20	Security Building	2,250 SF	440
740.76	Library	7,880 SF	530
851.10	Upgrade Roads	91,400 SY	2,440
			4,610

b. Major planned next three years:

721.11	Bachelor Enlisted Quarters	LS	13,700

10. Mission or Major Functions: Provide training in operation and employment of specified tactical combat direction and control systems in naval warfare; support operational commanders in evaluation, development, and analysis of naval warfare doctrines and tactics.

Guided Missile School
Fleet Combat Systems Support Activity

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION FLEET COMBAT TRAINING CENTER ATLANTIC, DAM NECK, VIRGINIA		4. PROJECT TITLE CHAPEL	
5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 730.83	7. PROJECT NUMBER P-915	8. PROJECT COST ($000) AUTH: 0* APPR: 1,570

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHAPEL	SF	11,500	90.00	1,030
SUPPORTING FACILITIES	-	-	-	420
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(100)
UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(240)
SUBTOTAL	-	-	-	1,450
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,520
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,600
REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	1,570
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

* $2,490,000 authorized in FY 1986 Program.

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-level reinforced concrete and masonry building, pile foundation, concrete floor, built-up roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 11,500 SF. ADEQUATE: 0 SF. SUBSTANDARD: 2,400 SF.

PROJECT: Provides a 200-seat chapel complex consisting of main sanctuary, devotional chapel for concurrent denominational services, offices, and pastoral counseling spaces, non-worship religious function room, integral religious education spaces, and associated administrative support office.

REQUIREMENT: A centrally located facility to allow free exercise of worship and religious development for the student and permanent party personnel within the command's religious program.

CURRENT SITUATION: The present religious program is housed in inadequate spaces in two areas in two separate barracks buildings. The chapel is in a lounge area, two chaplains and two support personnel are located in a former small office and two storage closets. The Catholic chaplain has a temporary office in another building with no privacy for confidential conversations or pastoral counseling. Students and dependent children have had to forego a religious education program for lack of space. The remoteness of Dam Neck, coupled with the lack of transportation for students, restrict availability of civilian or other military facilities.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION FLEET COMBAT TRAINING CENTER ATLANTIC, DAM NECK, VIRGINIA		
4. PROJECT TITLE CHAPEL		5. PROJECT NUMBER P-915

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: The command cannot provide adequate free exercise of religious worship. Since most of the target population is students, mostly fresh from boot camp, whose first view of the real Navy is being formed, to have their religious need curtailed by inadequate or nonexistent facilities is particularly undersirable. Religious services will continue to be crowded and in makeshift facilities. No religious education will be available. The chaplains will be hard to find and will be shifted as other space requirements occur in the berthing of enlisted personnel. Once chaplains are found, persons desiring confidential conversations will continue to be discouraged because of privacy in spaces. Ministry will continue to suffer and the command's religious program will not meet the needs of naval personnel and their dependents.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 4-84
- (b) Percent Complete as of January 1986........... 100
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 5-85

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(25)
- (b) All Other Design Costs........................(145)
- (c) Total... 170
- (d) Contract......................................(25)
- (e) In-house......................................(145)

(4) Construction start......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL GUIDED MISSILES SCHOOL, DAM NECK, VIRGINIA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR COST INDEX 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	57	596	47	49	701	0	0	0	0	1450
b. END FY 1991	57	600	44	57	971	0	0	0	0	1729

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of FCTCLANT
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	1,860
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,140
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	7,560
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	12,560

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Submarine Training Bldg Addn	32,950SF	3,140	7-85	8-86
	TOTAL		3,140		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

171.20	Training Facility	LS	3,490
171.20	Applied Instruction Bldg	4,940 SF	3,510
171.35	Submarine Bldg Air Condition	LS	560

10. Mission or Major Functions: Provide basic and advanced instruction for officer and enlisted personnel in the operation, maintenance and repair of fleet surface-to-air guided missile systems and fleet ballistic missile systems; provide training courses peculiar to submarine systems for Atlantic Fleet personnel.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL GUIDED MISSILES SCHOOL, DAM NECK, VIRGINIA	4. PROJECT TITLE SUBMARINE TRAINING BUILDING ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
8 57 96 N	171.20	P-116	3,140

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SUBMARINE TRAINING BUILDING ADDITION	SF	32,950	-	2,530
BUILDING ADDITION.	SF	32,950	66.00	(2,190)
BUILT-IN EQUIPMENT	LS	-	-	(340)
SUPPORTING FACILITIES.	-	-	-	380
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(140)
UTILITIES.	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(80)
SUBTOTAL	-	-	-	2,910
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,060
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,230
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,140
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story reinforced concrete building addition, concrete pile foundation and floors, masonry walls with brick facing, built-up roof, shielding, intrusion detection system, emergency electric power, 400 Hz electrical system, grounding, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 45,320 SF. ADEQUATE: 12,370 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides an applied instruction building addition at the Norfolk waterfront area for training submarine force personnel homeported in Norfolk.

REQUIREMENT: Adequate facilities including classrooms and trainer space to supplement existing training facilities. A submarine training detachment has been established to accommodate submarines homeported in Norfolk. There are now 18 submarines homeported in Norfolk, with 23 ultimately expected.

CURRENT SITUATION: Sixty courses of instruction are planned to be offered in such subjects as submarine air compressors, carbon monoxide/dioxide removal plants, submarine refrigeration systems, and the Tomahawk missile. There will be an estimated 150 students on-board. This training is now provided at Charleston, South Carolina and Groton, Connecticut, and will continue to be offered at these locations to serve the submarine force personnel homeported there. This facility will provide training for the submarine personnel assigned to the Norfolk area.

IMPACT IF NOT PROVIDED: Submarine personnel will be forced to utilize training facilities at other locations. As more submarines are

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL GUIDED MISSILES SCHOOL, DAM NECK, VIRGINIA		
4. PROJECT TITLE SUBMARINE TRAINING BUILDING		5. PROJECT NUMBER P-116

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
homeported in Norfolk and the high tempo of operations continues, the use of extensive travel to train personnel elsewhere will have a significant adverse impact on morale.
ADDITIONAL: Locating facilities near Norfolk will expedite training, enhance morale, retention and readiness, and reduce travel expenses.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 7-85
(b) Percent Complete as of January 1986........... 55
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(180)
(b) All Other Design Costs..........................(50)
(c) Total... 230
(d) Contract..(200)
(e) In-house..(30)

(4) Construction start.......................... 3-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL TRAINING CENTER,
GREAT LAKES, ILLINOIS

4. COMMAND
CHIEF OF NAVAL
EDUCATION AND TRAINING

5. AREA CONSTR. COST INDEX
1.09

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	302	2685	2116	31	8855	0	0	414	0	14403
b. END FY 19 91	333	2679	2115	30	17142	0	0	533	0	22832

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,009)
b. INVENTORY TOTAL AS OF 30 SEP 1985	168,020
c. AUTHORIZATION NOT YET IN INVENTORY	33,590
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,930
f. PLANNED IN NEXT THREE PROGRAM YEARS	155,000
g. REMAINING DEFICIENCY	43,220
h. GRAND TOTAL	410,060

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.45	Fire Fighting Trainer	25,000 SF	5,300	1-85	5-86
	TOTAL		5,300		

9. Future Projects:

a. Included in following program (FY 88):

171.20	Electrician Trng Bldg Modn	98,210 SF	2,080
721.11	Bachelor Enlisted Quarters	LS	650
740.21	Visitors Reception Center	13,500 SF	2,200
			4,930

b. Major planned next three years:

171.20	Applied Instruction Bldg	LS	14,750
721.11	Bachelor Enlisted Quarters	118,730 SF	11,000

10. Mission or Major Functions: Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel.

11. Outstanding pollution and safety deficiencies: ($000)

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS	4. PROJECT TITLE FIRE FIGHTING TRAINER

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 179.45	7. PROJECT NUMBER P-390	8. PROJECT COST ($000) 5,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINER.	SF	25,000	-	3,450
TRAINER.	SF	14,000	156.00	(2,180)
SUPPORT BUILDING	SF	11,000	115.00	(1,270)
SUPPORTING FACILITIES.	-	-	-	1,450
ELECTRICAL UTILITIES	LS	-	-	(60)
MECHANICAL UTILITIES	LS	-	-	(1,130)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(260)
SUBTOTAL	-	-	-	4,900
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST.	-	-	-	5,150
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	280
TOTAL REQUEST.	-	-	-	5,430
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(3,650)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel frame fire fighting trainer, concrete floors, masonry walls with brick facing, steel and reinforced concrete interior walls with sprayed mineral fiber fire proofing, steel frame and metal deck roof system; masonry bearing wall support building, concrete floors, brick facing, single-ply roof on insulated deck; fire protection system, air conditioning, mechanical ventilation, utilities.

11. REQUIREMENT: 25,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 21,920 SF.

PROJECT: Provides a fire fighting trainer facility at the Recruit Training Command for year round classroom instruction and realistic hands-on training.

REQUIREMENT: Adequate facilities to permit all recruits to participate in fire fighting training prior to reporting to their first duty stations. The proposed facility will be environmentally clean and offer a high degree of realism. A shipboard fire probably represents the greatest threat to a ship. Prompt, effective action is essential to limit the spread of fires.

CURRENT SITUATION: The present fire fighting trainer is an open area, with open-pit-burning of fuels. The trainer is old, a safety hazard, and not in compliance with current environmental protection agency standards and regulations. The trainer facility does not provide training on a year-round basis, because of cold weather conditions during the winter months.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS

4. PROJECT TITLE FIRE FIGHTING TRAINER	5. PROJECT NUMBER P-390

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Recruits will be assigned to sea duty without realistic hands-on training, posing a serious deficiency to the naval fleet.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 1-85
- (b) Percent Complete as of January 1986.......... 60
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete.......................... 5-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(265)
- (b) All Other Design Costs........................(90)
- (c) Total.. 355
- (d) Contract......................................(315)
- (e) In-house......................................(40)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Fire Fighting Trainer (Device 19F5)	OPN	1988	3,650

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 0.87

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	9	160	34	2	415	0	0	0	0	620
b. END FY 19 91	8	163	34	0	533	0	0	0	0	738

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NCBC
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	2,460
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,180
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	10,730
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	14,370

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.10	Seabee Instruction Bldg	14,620 SF	1,180	5-85	3-86
	TOTAL		1,180		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

171.20	Steelworker Training Bldg	13,780 SF	1,400
171.20	Builders Training Bldg	21,200 SF	1,800
171.20	Electrician Training Bldg	14,360 SF	1,300
171.20	Applied Instruction Bldg	LS	6,230

10. Mission or Major Functions: Train Seabee personnel to prepare for early usefulness in their designated specialties; supplement on-the-job training with advanced and specialized training when such training is more advantageously given in a formal school.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL CONSTRUCTION TRAINING CENTER,
GULFPORT, MISSISSIPPI

4. PROJECT TITLE
SEABEE INSTRUCTION BUILDING

5. PROGRAM ELEMENT
7 28 96 N

6. CATEGORY CODE
171.10

7. PROJECT NUMBER
P-714

8. PROJECT COST ($000)
1,180

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SEABEE INSTRUCTION BUILDING.	SF	14,620	66.00	970
SUPPORTING FACILITIES.	-	-	-	100
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(50)
SUBTOTAL	-	-	-	1,070
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,120
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	60
TOTAL REQUEST.	-	-	-	1,180
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,180
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, masonry walls with brick facing, built-up roof on insulation over metal decking, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 14,620 SF. ADEQUATE: 0 SF. SUBSTANDARD: 3,840 SF.

PROJECT: Provides an instruction building with classrooms, instructor offices, and training aids storage space.

REQUIREMENT: Adequate and properly-configured classroom spaces. Seabees, as part of their general construction skills, must be specifically competent in the installation, operation, and maintenance of electrical and mechanical utility systems.

CURRENT SITUATION: A prior-year military construction project will provide workshop instructional spaces for the electrical and mechanical utilities skills. Construction of this facility will include demolition of some existing deteriorated classroom spaces, resulting in an overloading of the remaining classrooms. These classrooms occupy 40 year-old, uninsulated wooden buildings with inefficient heating, air conditioning, and lighting, and ineffective temperature controls. Because of buildings' age and construction, classrooms are poorly configured. There are 193 students on board. Initial courses are from to 10 to 12 weeks, with some courses being one to five weeks. Twelve hundred students are graduated annually.

IMPACT IF NOT PROVIDED: Instructors and students will continue using existing classrooms on a two-shift basis. Instructors will share office spaces. Quality of instruction will be compromised.

(Continued on DD 1391c)

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI		
4. PROJECT TITLE SEABEE INSTRUCTION BUILDING		5. PROJECT NUMBER P-714

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 5-85
(b) Percent Complete as of January 1986........... 90
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 3-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ____

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(55)
(b) All Other Design Costs..........................(35)
(c) Total.. 90
(d) Contract...(65)
(e) In-house...(25)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KINGSVILLE, TEXAS	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 0.99

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	214	1354	839	271	23	0	0	0	0	2701
b. END FY 19 91	246	1004	831	307	76	0	0	0	0	2464

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(5,583)
b. INVENTORY TOTAL AS OF 30 SEP 1985	52,250
c. AUTHORIZATION NOT YET IN INVENTORY	6,280
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,780
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	10,750
f. PLANNED IN NEXT THREE PROGRAM YEARS	9,670
g. REMAINING DEFICIENCY	6,400
h. GRAND TOTAL	89,130

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.81	Jet Eng Test Cell Facility	LS	3,140	7-85	6-86
880.10	Fire Alarm System	LS	640	7-85	2-86
	TOTAL		3,780		

9. Future Projects:

a. Included in following program (FY 88):

111.10	Runway Improvements	LS	8,300
812.30	Electrical Distr Sys Impr	LS	980
911.10	Land Acquisition	379 AC	1,470
			10,750

b. Major planned next three years:

211.21	Aircraft Maintenance Fac	LS	6,430
441.10	General Warehouse	LS	1,000

10. Mission or Major Functions: Maintain and operate facilities and provide services and materials in support of basic and advanced Navy pilot training in jet aircraft.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, KINGSVILLE, TEXAS	4. PROJECT TITLE JET ENGINE TEST CELL FACILITY

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 211.81	7. PROJECT NUMBER P-224	8. PROJECT COST ($000) 3,140

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
JET ENGINE TEST CELL FACILITY.	LS	-	-	2,560
BUILDING	SF	4,800	508.00	(2,440)
TECHNICAL OPERATING MANUALS.	LS	-	-	(120)
SUPPORTING FACILITIES.	-	-	-	300
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(70)
UTILITIES.	LS	-	-	(190)
DEMOLITION	LS	-	-	(40)
SUBTOTAL	-	-	-	2,860
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	3,000
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,170
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,140
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Engine test cell building, acoustically attenuated, fully instrumented enclosure, including engine mounts, fueling systems, fire protection system, utilities, provisions for observation and control, capable of testing A-4, T-2 and T-45 aircraft engines; demolition of two buildings.

11. REQUIREMENT: As Required.

PROJECT: Provides a facility to test jet aircraft engines out-of-airframe after they have been rebuilt.

REQUIREMENT: A jet engine test facility to test and verify the operational characteristics of aircraft engines after they have been rebuilt, but before they are installed in an aircraft. The engines must be securely held in mounts and provided with electrical connections, compressed air for starting, fuel supply, controls and instrumentation for temperature, airflow, fuel flow and thrust developed. Noise attenuation must be a part of the facility. The station must test approximately 100 T-2, A-4, and T-45 aircraft engines each month.

CURRENT SITUATION: The existing facility is deteriorated, lacks adequate fire protection, poorly located to serve the engine shop, and incapable of testing the T-45 engine which will become the predominant workload. The fuel system is deficient and the exhaust gas-noise attenuator is damaged. Considerable smoke is produced during engine testing. The existing facility does not meet noise and smoke limitation criteria, and requires improvements to overcome obsolence, deterioration and inefficiency.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KINGSVILLE, TEXAS		
4. PROJECT TITLE JET ENGINE TEST CELL FACILITY		5. PROJECT NUMBER P-224

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Noise and smoke levels will increase. If the engine test cell should fail, engines will need to be shipped to Chase Field for testing, at considerable expense plus additional time lost waiting for engines to be tested.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 7-85
- (b) Percent Complete as of January 1986............ 35
- (c) Percent Complete as of October 1986............ 100
- (d) Date Design Complete.............................. 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes X No
- (b) Where Design Was Most Recently Used: Site Adaptation: NAS Memphis, TN and NAS Lemoore, CA.

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications.......... (85)
- (b) All Other Design Costs.............................. (60)
- (c) Total.. 145
- (d) Contract... (130)
- (e) In-house... (15)

(4) Construction start.............................. 2-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MEMPHIS, TENNESSEE	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	305	3220	1461	41	7168	0	0	5	0	12200
b. END FY 1991	317	3330	1524	33	8571	0	0	5	0	13780

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,499)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	135,520
c. AUTHORIZATION NOT YET IN INVENTORY	27,280
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	17,380
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	13,980
f. PLANNED IN NEXT THREE PROGRAM YEARS	53,100
g. REMAINING DEFICIENCY	94,870
h. GRAND TOTAL	342,130

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	Aviation Ordman Trng Bldg	130,390 SF	12,800	8-85	8-86
730.15	Brig	29,540 SF	2,750	8-85	8-86
842.10	Water Treatment Facility	LS	260	8-85	3-86
851.10	Entrance Roads Impr	26,440 SY	1,570	3-82	6-86
	TOTAL		17,380		

9. Future Projects:

a. Included in following program (FY 88):

141.25	Fire Rescue Station	9,960 SF	1,500
610.10	Administrative Office Bldg	10,920 SF	980
721.11	Bachelor Enlisted Quarters	114,600 SF	10,580
740.25	Family Services Center	6,000 SF	920
			13,980

b. Major planned next three years:

171.20	Applied Instruction Bldg	146,180 SF	16,000

10. Mission or Major Functions: Maintain and operate facilities and provide services and materials to support operations of aviation activities and units of the Naval Education and Training Command.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, MEMPHIS, TENNESSEE	4. PROJECT TITLE AVIATION ORDNANCEMAN TRAINING BUILDING

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 171.35	7. PROJECT NUMBER P-094	8. PROJECT COST ($000) 12,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION ORDNANCEMAN TRAINING BUILDING . . .	SF	130,390	-	9,860
OPERATIONAL TRAINER AREA	SF	67,520	75.00	(5,060)
CLASSROOM AREA	SF	62,870	70.00	(4,400)
BUILT-IN EQUIPMENT	LS	-	-	(200)
TECHNICAL OPERATING MANUALS.	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	1,990
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(680)
UTILITIES.	LS	-	-	(500)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(810)
SUBTOTAL	-	-	-	11,850
CONTINGENCY (5%)	-	-	-	590
TOTAL CONTRACT COST.	-	-	-	12,440
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	680
TOTAL REQUEST.	-	-	-	13,120
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	12,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(20,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete floor, pile foundation, masonry walls, built-up roof, fire protection system, air conditioning, utilities; demolition of one building.

11. REQUIREMENT: 130,390 SF. ADEQUATE: 0 SF. SUBSTANDARD: 58,260 SF.

PROJECT: Constructs a training building to house the Aviation Ordnanceman (AO) School.

REQUIREMENT: Adequate [illegible] configured facilities for training AO personnel to insure fa[illegible]arity [illegible] every type and variation of gun, rocket, bomb, missile, depth cha[illegible] pyotechnic, and flare used on Navy aircraft. The consequences of an accident through equipment malfunction or human error are both enormous and tragic.

CURRENT SITUATION: The AO School training building is a wood-frame, 40 year-old building providing only 35% of the required training space. It is poorly insulated and without proper heating, air conditioning, or lighting. Classes are also held in another training building, bringing the total space presently occupied by the AO School to 45% of the training space requirement. There are 400 students on board at all times, with 2,000 graduated annually. The course length is 11 weeks. There is no space for 12 ordnance loading trainers planned for delivery in 1988. Graduates of this school serve in the Atlantic and Pacific Fleets.

IMPACT IF NOT PROVIDED: Training devices scheduled to arrive in 1988 cannot be accommodated and will be stored pending availability of

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MEMPHIS, TENNESSEE		
4. PROJECT TITLE AVIATION ORDNANCEMAN TRAINING BUILDING		5. PROJECT NUMBER P-094

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
facilities. The level of instructional quality will suffer. Personnel will report to fleet duty with less than optimum skills. The potential for an accident will be increased.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 8-85
(b) Percent Complete as of January 1986............ 35
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete............................. 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(485)
(b) All Other Design Costs..........................(105)
(c) Total.. 590
(d) Contract...(520)
(e) In-house...(70)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Aviation Ordnance Loading Trainers (Device 3044)	APN-7	1986-1987	20,000

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, MEMPHIS, TENNESSEE	4. PROJECT TITLE BRIG

5. PROGRAM ELEMENT 0 57 96 N	6. CATEGORY CODE 730.15	7. PROJECT NUMBER P-005	8. PROJECT COST ($000) 2,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BRIG	SF	29,540	-	1,760
BUILDING	SF	29,000	60.00	(1,740)
STORAGE BUILDING	SF	540	37.00	(20)
SUPPORTING FACILITIES.	-	-	-	770
ELECTRICAL UTILITIES	LS	-	-	(330)
MECHANICAL UTILITIES	LS	-	-	(210)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(230)
SUBTOTAL	-	-	-	2,530
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,660
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,810
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,750
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, fire protection system, air conditioning, utilities; includes dormitories, cells, processing and exam rooms, administration, counseling, multi-purpose room with food service line; demolition of one building.

11. REQUIREMENT: 29,540 SF. ADEQUATE: 0 SF. SUBSTANDARD: 12,590 SF.

PROJECT: Constructs a brig, including workshops, to provide prisoners with meaningful work and training.

REQUIREMENT: Adequate facilities to confine prisoners from Memphis, with a naval population exceeding 12,000 persons, plus naval prisoners in the surrounding five-state area. The facility will accommodate 55 male and five female prisoners, comply with Navy standards on prisoner welfare, security, and rehabilitation efforts, and improve physical conditions such as fire protection, safety, and habitability. The prisoners held here will be serving sentences of up to 30 days.

CURRENT SITUATION: The existing brig is a converted 40-year-old, substandard, wooden barracks. It is inadequate in size and function with deficiencies that cannot be economically corrected. There are insufficient hard cells and other facilities to meet basic reasonable requirements. The facilities for female prisoners are especially inadequate. Because the existing brig cannot being used, prisoners must be transported to other Navy brigs at considerable transportation and administration cost. There are no available spaces to modify.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MEMPHIS, TENNESSEE		
4. PROJECT TITLE BRIG		5. PROJECT NUMBER P-005

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Unable to provide naval activities in the region with adequate brig support. Navy will not live up to its established standards for prisoner rehabilitation, safety, habitability, and fire protection. Lack of facilities meeting standards will cause morale and discipline problems.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	8-85
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	8-86

(2) Basis:

(a) Standard or Definitive Design: Yes X No____

(b) Where Design Was Most Recently Used: Design based on concept design developed for waterfront brigs.

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	(220)
(b)	All Other Design Costs	(125)
(c)	Total	345
(d)	Contract	(315)
(e)	In-house	(30)

(4) Construction start: 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MEMPHIS, TENNESSEE		4. PROJECT TITLE ENTRANCE ROADS IMPROVEMENT	
5. PROGRAM ELEMENT 0 57 96 N	6. CATEGORY CODE 851.10	7. PROJECT NUMBER P-018	8. PROJECT COST ($000) 1,570

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENTRANCE ROADS IMPROVEMENT	SY	26,440	-	670
ROADWAYS EXTENSION	SY	26,440	24.00	(630)
GATEHOUSE AND PASS OFFICE.	SF	300	137.00	(40)
SUPPORTING FACILITIES.	-	-	-	780
UTILITIES.	LS	-	-	(370)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(410)
SUBTOTAL	-	-	-	1,450
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,520
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,600
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,570
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Extension of roads; gatehouse and entrance pass office, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 26,440 SY. ADEQUATE: 0 SY. SUBSTANDARD: 0 SY.

PROJECT: Extends and improves roads and provides a gatehouse and pass office at the south entrance to the station.

REQUIREMENT: A gatehouse, pass office, roadway and extension to station streets are required at the south perimeter to provide a connection to new off-station highways. This road will connect with a segment of roadway constructed with Defense Access Road funds.

CURRENT SITUATION: The present station vehicular access is from Navy Road, a congested five-lane county road within the city limits of Millington, bisecting the station in an east-west direction. This limited access to the station results in severe traffic congestion. The station is using a temporary road connection at the south entrance gate to utilize the base feeder highways already built. Road alignment, surfacing and base security measures are all inadequate.

IMPACT IF NOT PROVIDED: Traffic will continue to be congested on Navy Road during peak travel periods. Travel time will continue to be longer for personnel and supplies to arrive at their destinations. New roads will not be utilized to their design capacity.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MEMPHIS, TENNESSEE		
4. PROJECT TITLE ENTRANCE ROADS IMPROVEMENT		5. PROJECT NUMBER P-018

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................3-82
(b) Percent Complete as of January 1986...........80
(c) Percent Complete as of October 1986...........100
(d) Date Design Complete............................6-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(95)
(b) All Other Design Costs..........................(70)
(c) Total...165
(d) Contract..(145)
(e) In-house..(20)

(4) Construction start..........................12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MERIDIAN, MISSISSIPPI	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 0.92

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	152	1287	1022	135	1080	0	0	0	0	3676
b. END FY 19 91	187	1289	1006	163	1330	0	0	0	0	3975

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,507)
b. INVENTORY TOTAL AS OF 30 SEP 1985	87,450
c. AUTHORIZATION NOT YET IN INVENTORY	3,930
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,660
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	7,810
h. GRAND TOTAL	103,850

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
111.10	Airfield Pavements	70,400 SY	3,170	5-86	3-87
721.11	Facility Energy Imprs	LS	650	6-85	5-86
823.10	Gas Generating Plant	LS	590	10-85	7-86
872.15	Physical Security Imprs	LS	250	N/A	N/A
	TOTAL		4,660		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Maintain and operate facilities and provide services and materials to support operations of Aviation activities and units of the Naval Training Command.

Three jet training squadrons
Naval Technical Training Center

11. Outstanding pollution and safety deficiencies: ($000)
a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health (OSH): 0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, MERIDIAN, MISSISSIPPI	4. PROJECT TITLE AIRFIELD PAVEMENTS

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 111.10	7. PROJECT NUMBER P-169	8. PROJECT COST ($000) 3,170

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRFIELD PAVEMENTS	SY	70,400	-	2,910
TAXIWAY.	SY	62,100	19.00	(1,180)
OVERRUN STABILIZATION.	SY	(27,000)	6.00	(160)
BLAST PROTECTIVE PAVEMENT.	SY	8,300	7.00	(60)
TAXIWAY LIGHTING	LS	-	-	(40)
EARTHWORK AND SITE IMPROVEMENT	LS	-	-	(1,470)
SUBTOTAL	-	-	-	2,910
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,060
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,230
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,170
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct 6,400-foot by 75-foot wide concrete taxiway with turnoffs, shoulders, blast protective pavements, lighting, stabilized overrun, earthwork and site improvement.

11. REQUIREMENT: 70,400 SY. ADEQUATE: 0 SY. SUBSTANDARD: 20,000 SY.

PROJECT: Provides a taxiway parallel to the crosswind runway.

REQUIREMENT: A taxiway parallel to the crosswind runway is needed for safe, smooth aircraft operations during crosswind conditions.

CURRENT SITUATION: The station's crosswind runway has no taxiway. During crosswind conditions, aircraft landing to the east or taking off to the west must use the crosswind runway as a taxiway. As a consequence, the main runway is used for flight operations which cannot be accommodated by the constrained crosswind runway. This causes delays in flight operations and is in violation of air safety practices.

IMPACT IF NOT PROVIDED: Flight operations will continue to be periodically delayed during crosswind conditions. Flight training will be delayed. The danger of an accident occurring will remain.

(Continued on DD 1391c)

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S/N 0102 LF 001 3910

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MERIDIAN, MISSISSIPPI		
4. PROJECT TITLE AIRFIELD PAVEMENTS		5. PROJECT NUMBER P-169

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 5-86
(b) Percent Complete as of January 1986............ 0
(c) Percent Complete as of October 1986............ 40
(d) Date Design Complete.............................. 3-87

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.........(100)
(b) All Other Design Costs..........................(40)
(c) Total.. 140
(d) Contract...(135)
(e) In-house...(5)

(4) Construction start............................ 5-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	95	772	29	338	1549	0	0	0	0	2783
b. END FY 19 91	129	839	29	381	2452	0	0	0	0	3830

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NSB
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	24,350
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,540
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,980
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,300
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	43,170

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	Advanced Engr Training Fac	50,870 SF	6,200	7-85	5-86
179.45	Sub Fire Fighting Trnr Fac	16,960 SF	3,340	5-85	7-86
	TOTAL		9,540		

9. Future Projects:

a. Included in following program (FY 88):

171.35	Adv Submarine Trnr Bldg	55,890 SF	6,980
			6,980

b. Major planned next three years:

171.20	Submarine Trng Bldg Modn	27,160 SF	2,300

10. Mission or Major Functions: Provide officers and enlisted men with basic submarine knowledge and skills upon which operating submarine commands can build competence and proficiency in operating and maintaining submarines and their weapon systems. Provide functional, refresher, advanced, and team training to bring submarine personnel to a level of increased proficiency in specific skills.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT		4. PROJECT TITLE ADVANCED ENGINEERING TRAINING FACILITY	
5. PROGRAM ELEMENT 8 47 31 N	6. CATEGORY CODE 171.35	7. PROJECT NUMBER P-173	8. PROJECT COST ($000) 6,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADVANCED ENGINEERING TRAINING FACILITY . . .	SF	50,870	-	4,380
BUILDING	SF	50,870	83.00	(4,210)
BUILT-IN EQUIPMENT	LS	-	-	(120)
TECHNICAL OPERATING MANUALS.	LS	-	-	(50)
SUPPORTING FACILITIES.	-	-	-	1,340
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(570)
ELECTRICAL UTILITIES	LS	-	-	(270)
MECHANICAL UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
SUBTOTAL	-	-	-	5,720
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST.	-	-	-	6,010
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	330
TOTAL REQUEST.	-	-	-	6,340
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	6,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel frame building, concrete foundation and floors, masonry walls, built-up roof, exhaust ventilation, storage tanks and distribution lines for various gases, elevators, lightning protection, grounding system, motor generators, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 106,760 SF. ADEQUATE: 0 SF. SUBSTANDARD: 71,200 SF.

PROJECT: Provides facility for advanced submarine engineering training in the electrical and nuclear areas.

REQUIREMENT: Adequate facilities for training submarine students in the advanced skills necessary for the operation and maintenance of shipboard electrical and nuclear components and systems including internal communications, motor generators, distribution systems, control systems, sound and vibration analysis, and welding. This project, together with a follow-on project planned for FY 1988, will provide a training complex to house the entire advanced engineering curriculum and remove all training functions from the waterfront operations area.

CURRENT SITUATION: No space exists to expand current facilities in the congested waterfront area, nor will the Naval Submarine Base approve major alterations to these facilities because the existing facility falls under an explosive safety arc for weapons handling. Increased emphasis on physical security also dictates that any facility not necessary in the waterfront area should not be there. Training is currently conducted in a

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT		
4. PROJECT TITLE ADVANCED ENGINEERING TRAINING FACILITY		5. PROJECT NUMBER P-173

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
building constructed in 1940 and shared with the mechanical division. The utility support systems are taxed to their limit, and the building is inefficiently configured for a training facility.
IMPACT IF NOT PROVIDED: Continue training in the waterfront area with no allowances for additional training equipment. Training on the 688 class submarine equipment cannot be supported. Student morale and training effectiveness would be adversely affected.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 7-85
(b) Percent Complete as of January 1986........... 60
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 5-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No_X_
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(185)
(b) All Other Design Costs.........................(100)
(c) Total.. 285
(d) Contract.......................................(225)
(e) In-house.......................................(60)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT	4. PROJECT TITLE SUBMARINE FIRE FIGHTING TRAINER FACILITY

5. PROGRAM ELEMENT 8 47 31 N	6. CATEGORY CODE 179.45	7. PROJECT NUMBER P-329	8. PROJECT COST ($000) 3,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SUBMARINE FIRE FIGHTING TRAINER FACILITY . .	SF	16,960	-	2,000
TRAINER.	SF	8,410	157.00	(1,320)
SUPPORT BUILDING	SF	8,550	80.00	(680)
SUPPORTING FACILITIES.	-	-	-	1,100
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(350)
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(510)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(170)
SUBTOTAL	-	-	-	3,100
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,250
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	180
TOTAL REQUEST.	-	-	-	3,430
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,340
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(2,030)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame and concrete building, masonry walls, concrete foundation and floors, rock excavation, water storage and pumps, waste water treatment, propane gas storage, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 16,960 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides environmentally acceptable, hands-on fire fighting trainer facility to the submarine community.

REQUIREMENT: Adequate and effective fire fighting trainer facility with three submarine-unique, hands-on fire fighting training courses to train 11,000 students per year. Fire fighting training is mandatory for all Navy personnel. A fire fighting training device has been programmed for the submarine school. The trainer will be built into the building by a separate contractor after the building's completion.

CURRENT SITUATION: Fire fighting training is available only through the use of an interim trainer constructed from scrap material and providing only the basic fire fighting training. Training is performed outside, making it difficult to provide year around training. A temporary trailer is being used to provide classroom space, thus further limiting the number of students trained.

IMPACT IF NOT PROVIDED: Submarine school will not meet the established requirements for fire fighting training, because of the interim trainer's limitations. The combat readiness of operating submarines will be degraded.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT		
4. PROJECT TITLE SUBMARINE FIRE FIGHTING TRAINER FACILITY		5. PROJECT NUMBER P-329

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 5-85
(b) Percent Complete as of January 1986........... 60
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(185)
(b) All Other Design Costs.........................(65)
(c) Total... 250
(d) Contract..(225)
(e) In-house..(25)

(4) Construction start......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Submarine Fire Fighting Trainer (Device 19F2)	OPN (BA-7)	1987	2,030

1. COMPONENT

NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION

NAVAL EDUCATION AND TRAINING CENTER,
NEWPORT, RHODE ISLAND

4. COMMAND

CHIEF OF NAVAL
EDUCATION AND TRAINING

5. AREA CONSTR. COST INDEX

1.11

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	701	2888	4076	1197	916	0	5	60	0	9843
b. END FY 1991	824	4379	4076	1353	982	0	5	96	0	11715

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,199)
b. INVENTORY TOTAL AS OF 30 SEP 1985	153,060
c. AUTHORIZATION NOT YET IN INVENTORY	24,940
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,340
f. PLANNED IN NEXT THREE PROGRAM YEARS	45,600
g. REMAINING DEFICIENCY	90,940
h. GRAND TOTAL	341,580

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
724.12	Bachelor Officer Quarters	101,500 SF	8,800	6-85	4-86
842.10	Utility Systems Improvements	LS	2,900	7-85	5-86
	TOTAL		11,700		

9. Future Projects:

a. Included in following program (FY 88):

813.20	Electrical Distr Sys Imprs	LS	7,280
821.61	Heating Fuel Oil Storage	LS	2,100
822.24	Condensate Line	LS	1,260
842.10	Water Distribution Imprs	LS	4,700
			15,340

b. Major planned next three years:

724.12	Bachelor Officer Quarters	LS	9,580

10. Mission or Major Functions: Administer schools which provide a source from which qualified commissioned and warrant officers may be prepared for military service, and train Navy enlisted and foreign officer candidates.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	3,700
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND	4. PROJECT TITLE BACHELOR OFFICER QUARTERS

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 724.12	7. PROJECT NUMBER P-308	8. PROJECT COST ($000) 8,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS.	SF	101,500	65.00	6,630
SUPPORTING FACILITIES.	-	-	-	1,490
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(460)
ELECTRICAL UTILITIES	LS	-	-	(580)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(400)
SUBTOTAL	-	-	-	8,120
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST.	-	-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	470
TOTAL REQUEST.	-	-	-	9,000
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four-story reinforced concrete frame and masonry building, raised foundation, concrete floors, built-up roof; fire protection system, air conditioning and ventilation, utilities; living rooms, bedrooms, bathrooms, kitchens, lounges, laundry, storage, mechanical equipment; extension of electrical duct bank.

Grade mix: 154 O3-above. Total: 154.

11. REQUIREMENT: 1,736 PN. ADEQUATE: 634 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for 154 officer personnel.

REQUIREMENT: Adequate housing for 1,736 officer personnel. These officers are either assigned duty at the base or are officer students attached to the Surface Warfare Officer's School or the Naval Justice School.

CURRENT SITUATION: Existing berthing capacity of 634 spaces, including accommodations found by 270 personnel in the local community, is insufficient, resulting in overcrowding. A deficiency of 1,102 adequate billeting spaces exists.

IMPACT IF NOT PROVIDED: Adequate living quarters for all officer personnel will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts.

ADDITIONAL: The surrounding community has insufficient housing and cannot satisfy the station's berthing requirement.

(Continued on DD 1391c)

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☆ U.S. Government Printing Office: 1984—[illegible]

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND		
4. PROJECT TITLE BACHELOR OFFICER QUARTERS		5. PROJECT NUMBER P-308

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started............................	6-85
(b)	Percent Complete as of January 1986...........	45
(c)	Percent Complete as of October 1986...........	100
(d)	Date Design Complete...........................	4-86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X

(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications.........	(465)
(b)	All Other Design Costs..........................	(190)
(c)	Total..	655
(d)	Contract...	(610)
(e)	In-house...	(45)

(4) Construction start.......................... 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

READEX FICHE

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND	4. PROJECT TITLE UTILITY SYSTEMS IMPROVEMENTS

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 842.10	7. PROJECT NUMBER P-174	8. PROJECT COST ($000) 2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITY SYSTEMS IMPROVEMENTS	LS	-	-	2,670
SUBTOTAL	-	-	-	2,670
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,800
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,950
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Pump station, fire pumps, replacement of water main, new piping, replace valves and hydrants; electrical substation improvements including replacement of transformers, circuit breakers, relays, metering equipment.

11. REQUIREMENT: As Required.

PROJECT: Provides both additional and replacement water distribution lines, values, and a pump station to serve the Coasters Harbor Island portion of the education and training center complex. Provides larger transformers, circuit breakers, switches and meters in the electrical distribution system in the Coddington Point area of the Newport Naval Complex for increased and more reliable service.

REQUIREMENT: An adequate water supply is essential for both fire protection and normal human needs. Water pressure to accommodate fire-flow rate at high volume flow must be provided. The substation serving the Coddington Point area was built in 1942 and has not been significantly improved. The substation load is now 3,000 KVA and will reach 3,800 KVA when construction is complete.

CURRENT SITUATION: Coasters Harbor Island includes the Naval War College, the Surface Warfare Officer School, berthing and personnel support spaces. The existing distribution system is inadequate to supply the required fire-flows, with hydraulic conditions characteristic of unlined cast iron pipe over 40 years old. Some water mains have less than one-third of their original hydraulic capacities. Fire-flow tests indicate that the static

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND		
4. PROJECT TITLE UTILITY SYSTEMS IMPROVEMENTS		5. PROJECT NUMBER P-174

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
pressure on Coasters Harbor Island ranges from 42 psi to 64 psi; residual pressures at fire-flow rates 190 to 710 gpm varied from 45 psi down to only 10 psi. All of the fire-flow rates fall far below those required. In recent years, several sections of the distribution system have needed replacement to maintain an adequate flow for normal use. The Coddington Point area has two 2,500 KVA transformers without overload factors. When either transformer must be removed from service for maintenance or repair, the other unit cannot carry the load, and there is no capability to transfer the load to another substation. Load-shedding and brown and black-outs result.

IMPACT IF NOT PROVIDED: The existing distribution system will continue to lose hydraulic capacity. The required fire-flows and normal domestic flow will not be available. With the continued aging and deterioration of the system, water mains, values, fittings and appurtenances that are not replaced will continue to be a weak link in the fire protection system. The untimely failure of these may result in a major loss of property. A catastrophic failure of either electric power transformer would lead to a prolonged electrical power failure and need for emergency action to get that part of the base back on the line.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 7-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 5-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (90)
- (b) All Other Design Costs......................... (80)
- (c) Total.. 170
- (d) Contract....................................... (160)
- (e) In-house....................................... (10)

(4) Construction start........................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION SURFACE WARFARE OFFICERS SCHOOL COMMAND, NEWPORT, RHODE ISLAND	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 1.11

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	122	172	14	445	6	0	0	0	0	759
b. END FY 19 91	159	176	14	797	3	0	0	0	0	1149

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NETC
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,840
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	9,980
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	18,820

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Surface Warfare Off Trng Fac	75,510 SF	8,840	7-85	9-86
	TOTAL		8,840		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

852.10	Parking Garage	LS	9,980

10. Mission or Major Functions: Provide the naval surface warfare forces, through a system of functional training, with officers professionally qualified to serve as effective naval leaders of surface ships with the ultimate goal of command at sea. Serve as the focal point for development and integration of qualification standards and functional training, in support of the established continuum of Surface Warfare Officer professional and billet specialty training.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION SURFACE WARFARE OFFICERS SCHOOL COMMAND, NEWPORT, RHODE ISLAND	4. PROJECT TITLE SURFACE WARFARE OFFICER TRAINING FACILITY

5. PROGRAM ELEMENT 8 47 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-360	8. PROJECT COST ($000) 8,840

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURFACE WARFARE OFFICER TRAINING FACILITY. .	SF	75,510	-	6,740
BUILDING	SF	75,510	74.00	(5,590)
FUEL DISPENSING STATION.	LS	-	-	(700)
BUILT-IN EQUIPMENT	LS	-	-	(450)
SUPPORTING FACILITIES.	-	-	-	1,420
UTILITIES.	LS	-	-	(910)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(450)
DEMOLITION	LS	-	-	(60)
SUBTOTAL	-	-	-	8,160
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST.	-	-	-	8,570
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	470
TOTAL REQUEST.	-	-	-	9,040
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,840
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel frame training building, concrete foundation and floors, masonry walls, built-up roof on concrete roof deck, elevators; one-story steel frame fuel station, concrete foundation and floor, masonry walls, built-up roof; fire protection system, air conditioning, utilities; demolition of one building.

11. REQUIREMENT: 75,510 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides building to house operational trainers, applied instruction space, and training materials storage.

REQUIREMENT: Adequate simulator areas, classrooms, technical library, conference and office spaces to accommodate new training missions for Engineering Officer of the Watch (EOOW) Course, Prospective Executive Officer (PXO) Course; expansion of the Prospective Commanding Officer (PCO) Course, and the Senior Officers Ships Material Readiness Course.

CURRENT SITUATION: There are no existing facilities to house additional students and staff personnel. Ten relocatable trailers are used to meet the space needs for the EOOW Course. All ensigns assigned to a propulsion engineering billet on a ship must attend this course. These trailers are only a temporary solution. There are no facilities for the PXO Course. There is no space available to house new training devices or for much needed expansion of the command's technical library. Prospective commanding officers and executive officer students have no class or study space available when they attend their specific ship specialty training.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
SURFACE WARFARE OFFICERS SCHOOL COMMAND, NEWPORT, RHODE ISLAND

4. PROJECT TITLE	5. PROJECT NUMBER
SURFACE WARFARE OFFICER TRAINING FACILITY	P-360

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
Senior Officer staff are crowded into a small space with no offices, no conference rooms, minimal classified storage space, and no space available to conduct necessary classified lectures. The Senior Officers Ships Material Readiness Course is presently housed at a private facility in Idaho and will be relocated.
IMPACT IF NOT PROVIDED: Facilities will not be available to accommodate new mission course requirements. No space capability to house operational trainers. Severely overcrowded facilities will continue to be used.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 7-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete............................. 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (470)
(b) All Other Design Costs............................ (195)
(c) Total.. 665
(d) Contract.. (580)
(e) In-house.. (85)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT: NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE:

3. INSTALLATION AND LOCATION: FLEET TRAINING CENTER, NORFOLK, VIRGINIA

4. COMMAND: CHIEF OF NAVAL EDUCATION AND TRAINING

5. AREA CONSTR. COST INDEX: 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	26	548	31	155	2795	0	0	0	0	3555
b. END FY 1991	32	586	31	155	2819	0	0	0	0	3623

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(18)
b. INVENTORY TOTAL AS OF 30 SEP 1985	5,480
c. AUTHORIZATION NOT YET IN INVENTORY	5,570
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,430
f. PLANNED IN NEXT THREE PROGRAM YEARS	9,490
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	46,370

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Elect Trades Trng Bldg Addn	61,670 SF	5,400	9-84	8-85
	TOTAL		5,400		

9. **Future Projects:**

a. Included in following program (FY 88):

171.20	Applied Instruction Bldg	51,200 SF	6,770
171.20	Applied Instruction Bldg	30,760 SF	4,090
179.45	Fire Fighting Training Fac	26,770 SF	9,570
			20,430

b. Major planned next three years:

171.20	Training Building Modn	LS	5,490
171.35	Engineering Oper Trnr Fac	28,000 SF	4,000

10. **Mission or Major Functions:** Develop and provide training in the operation and maintenance of shipboard systems. Courses include communication, navigation, electrical, electronic, mechanical, propulsion, damage control and fire fighting.

11. **Outstanding pollution and safety deficiencies:**

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION FLEET TRAINING CENTER, NORFOLK, VIRGINIA	4. PROJECT TITLE ELECTRICAL TRADES TRAINING BUILDING ADDITION

5. PROGRAM ELEMENT 8 47 31 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-179	8. PROJECT COST ($000) 5,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL TRADES TRAINING BUILDING ADDITION	SF	61,670	-	4,170
BUILDING ADDITION.	SF	61,670	64.00	(3,970)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	760
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(290)
UTILITIES.	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(170)
DEMOLITION	LS	-	-	(150)
SUBTOTAL	-	-	-	4,930
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST.	-	-	-	5,180
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	280
TOTAL REQUEST.	-	-	-	5,460
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four-story steel frame building addition, concrete piles and caps, masonry walls with brick facing, concrete floors, built-up roof, intrusion detection system, compressed air, fire protection system, air conditioning, utilities; demolition of two buildings.

11. REQUIREMENT: 107,120 SF. ADEQUATE: 45,450 SF. SUBSTANDARD: 62,250 SF.

PROJECT: Provides a training building addition.

REQUIREMENT: Adequate facilities for teaching courses in advanced electrical subjects, automatic boiler controls, air conditioning, and refrigeration to provide skilled operating and maintenance personnel for fleet ships. An instruction building is necessary to accommodate an expansion in the number of courses to be taught and to relieve congestion and overcrowding.

CURRENT SITUATION: Courses are being taught in substandard facilities and in parts of three different buildings on loan from the Naval Base. Spaces are too small and crowded for effective instruction. Severe space constraints forces expendable and necessary materials to be stored in classrooms or laboratories, further reducing the space available for instruction. Some trainers are not connected for operation because of substandard or inadequate utilities. Students are trained in four different locations, requiring additional effort to coordinate instruction. Courses include electric motor rewind, solid state devices, propulsion alarms, boiler feedwater treatment, and fundamentals of

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

FLEET TRAINING CENTER, NORFOLK, VIRGINIA

4. PROJECT TITLE ELECTRICAL TRADES TRAINING BUILDING ADDITION	5. PROJECT NUMBER P-179

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
hydraulics. Courses range from one to eight weeks. There are 200 students on-board at one time, with 4,000 graduated annually.
IMPACT IF NOT PROVIDED: Students will be trained on non-functional trainers and simulators in an unsatisfactory environment, with no chance of learning new concepts as modernization of equipment takes place. Personnel will report to fleet billets at less than optimum proficiency, requiring longer-on-the-job training to reach journeyman performance levels.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 9-84
(b) Percent Complete as of January 1986........... 100
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 8-85

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (260)
(b) All Other Design Costs......................... (75)
(c) Total... 335
(d) Contract...................................... (315)
(e) In-house...................................... (20)

(4) Construction start........................ 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 0.80

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	364	2035	3228	744	17354	0	0	433	0	24158
b. END FY 1991	414	2115	3383	721	23488	0	0	215	0	30336

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,100)
b. INVENTORY TOTAL AS OF 30 SEP 1985	146,900
c. AUTHORIZATION NOT YET IN INVENTORY	32,450
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	15,170
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,280
f. PLANNED IN NEXT THREE PROGRAM YEARS	19,900
g. REMAINING DEFICIENCY	15,700
h. GRAND TOTAL	241,400

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Adv Underwater Wpns Trng Fac	27,000 SF	2,950	1-85	10-86
219.10	Public Works Shop	31,600 SF	2,550	8-85	9-86
721.14	Barracks	116,630 SF	8,440	8-85	6-86
730.10	Fire Station	10,000 SF	1,230	9-85	6-86
	TOTAL		15,170		

9. Future Projects:

a. Included in following program (FY 88):

721.11	Bachelor Enlisted Quarters	111,050 SF	9,180
730.83	Chapel	21,030 SF	2,100
			11,280

b. Major planned next three years:

171.35	Fire Fighting Trainer	1,560 SF	1,950
441.10	Warehouse	LS	6,060
610.10	Administrative Building	47,040 SF	4,090

10. Mission or Major Functions: Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA	4. PROJECT TITLE ADVANCED UNDERWATER WEAPONS TRAINING FACILITY	

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-226	8. PROJECT COST ($000) 2,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADVANCED UNDERWATER WEAPONS TRAINING FACILITY	SF	27,000	-	2,330
OPERATIONAL TRAINING FACILITY.	SF	16,000	74.00	(1,180)
APPLIED INSTRUCTION FACILITY	SF	11,000	66.00	(720)
BUILT-IN EQUIPMENT	LS	-	-	(340)
TECHNICAL OPERATING MANUALS.	LS	-	-	(90)
SUPPORTING FACILITIES.	-	-	-	360
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(50)
UTILITIES.	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(190)
SUBTOTAL	-	-	-	2,690
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,820
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	2,980
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(4,500)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame high-bay building, concrete foundation and floor, masonry walls with brick facing, built-up roofing, compressed air and nitrogen systems, environmental controls, bridge crane, monorails, two security vaults, computer flooring, shielding, intrusion detection system, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 27,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a facility for training personnel in the operation and maintenance of advanced underwater weapons systems to be deployed on new attack submarines.

REQUIREMENT: The on-going development of the Mark 50 Torpedo, the long-range anti-submarine standoff weapon, and the submarine launched Tomahawk missile is leading to their employment on-board attack class submarines. Personnel must be trained in the operation and maintenance of these weapons for their effective and maximum use.

CURRENT SITUATION: No existing space is available for this training as all spaces are used to capacity for other training purposes. Training devices for these weapons are on order with delivery beginning in 1987.

IMPACT IF NOT PROVIDED: Activity will be unable to provide operator and maintenance training for these submarine weapons. Submarines will deploy without fully trained personnel, jeopardizing fleet readiness potential.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA		
4. PROJECT TITLE ADVANCED UNDERWATER WEAPONS TRAINING FACILITY		5. PROJECT NUMBER P-226

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 1-85
(b) Percent Complete as of January 1986.......... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(140)
(b) All Other Design Costs.........................(40)
(c) Total... 180
(d) Contract..(150)
(e) In-house..(30)

(4) Construction start.......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Tomahawk Vertical Launch Trainer	OPN	1987	2,500
Mk 50 Torpedo Trainer	WPN	1987	2,000
		Total	4,500

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA	4. PROJECT TITLE PUBLIC WORKS SHOP

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 219.10	7. PROJECT NUMBER P-223	8. PROJECT COST ($000) 2,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PUBLIC WORKS SHOP.	SF	31,600	-	1,810
SHOP AREA.	SF	15,900	50.00	(790)
ADMINISTRATIVE AREA.	SF	15,700	60.00	(940)
UNCOVERED MATERIAL STORAGE BINS.	SF	(5,000)	4.00	(20)
BUILT-IN EQUIPMENT	LS	-	-	(60)
SUPPORTING FACILITIES.	-	-	-	560
UTILITIES.	LS	-	-	(190)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(220)
PLAYING FIELD AND COURTS	LS	-	-	(150)
SUBTOTAL	-	-	-	2,370
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,490
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	140
TOTAL REQUEST.	-	-	-	2,630
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,550
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building, concrete foundation and floors, built-up roof, monorail system, dust collection system, compressed air; fire protection system, air conditioning, utilities; fenced storage areas, uncovered material storage bins; relocation of playing field and courts; demolition of five buildings.

11. REQUIREMENT: 31,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 29,380 SF.

PROJECT: Provides administrative and shop spaces for maintenance and repair personnel in the station's public works organization.

REQUIREMENT: Adequate facilities for the operations and maintenance workforce who operate and maintain the station's buildings, utilities, roads and grounds, office space for the professional engineers and their staff, and shops for the carpenter, electrical, sheet metal and plumbing trades, and for the grounds maintenance and emergency services staff.

CURRENT SITUATION: The public works organization is composed of 196 people including professional engineers, construction contract administration personnel, draftsmen, clerical, and skilled construction and utility trades craftsmen. They are scattered over the training center in five different buildings, as much as a mile apart. This fragmentation impedes efficient and effective supervisory control and job scheduling, and introduces inefficiency into the normal daily job accomplishment. The five buildings were constructed in the early 1940's and have long exceeded their useful

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL TRAINING CENTER, ORLANDO, FLORIDA

4. PROJECT TITLE
PUBLIC WORKS SHOP

5. PROJECT NUMBER
P-223

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
and functional life. They are uninsulated, poorly heated, inadequately air conditioned, termite ridden, and generally deteriorated.
IMPACT IF NOT PROVIDED: Continue to use inadequate and inefficient facilities with an adverse effect on morale, productivity, and effective maintenance effort.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 8-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 9-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (5)
- (b) All Other Design Costs......................... (125)
- (c) Total.. 130
- (d) Contract....................................... (15)
- (e) In-house....................................... (115)

(4) Construction start........................ 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL TRAINING CENTER,
ORLANDO, FLORIDA

4. PROJECT TITLE
BARRACKS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
8 57 96 N	721.14	P-425	8,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	116,630	-	7,000
BUILDING	SF	116,630	57.00	(6,690)
BUILT-IN EQUIPMENT	LS	-	-	(310)
SUPPORTING FACILITIES.	-	-	-	830
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(130)
UTILITIES	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(410)
DEMOLITION	LS	-	-	(50)
SUBTOTAL	-	-	-	7,830
CONTINGENCY (5%)	-	-	-	390
TOTAL CONTRACT COST.	-	-	-	8,220
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	450
TOTAL REQUEST.	-	-	-	8,670
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Seven-story reinforced concrete frame building, concrete foundation and floors, masonry walls with brick facing, built-up roof, elevators, automatic sprinkler fire protection system, air conditioning, utilities; semi-open-bay living compartments concept; demolition of buildings.

Grade mix: 720 E1-E4. Total: 720.

11. REQUIREMENT: 5,924 PN. ADEQUATE: 4,236 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for 720 enlisted students assigned to Navy basic "A" schools.

REQUIREMENT: Adequate housing for 5,924 "A" school students either undergoing basic skills training after completion of recruit training or are upgrading fleet skill training requirements.

CURRENT SITUATION: Adequate berthing capacity of 4,236 spaces exist on base, including the 720 spaces funded in FY 1984 and the 720 spaces funded in FY 1986. A new construction deficiency of 1,688 adequate billeting spaces exist for "A" school students. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by follow-on projects currently proposed for Fiscal Years 1991 and 1992. All projected space requirements are revalidated annually by a new survey, which updates planning projections. These students are currently housed in overcrowded, inadequate, 40 year-old facilities which cannot be economically modernized.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA		
4. PROJECT TITLE BARRACKS		5. PROJECT NUMBER P-425

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Overcrowding of adequate student berthing spaces will continue, with some students housed in facilities below the minimum standards of adequacy, to the detriment of morale, training, and career retention efforts.
ADDITIONAL: "A" school students are not eligible for civilian community housing.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 8-85
- (b) Percent Complete as of January 1986........... 60
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes X No____
- (b) Where Design Was Most Recently Used: Site Adaptation: NTC Orlando, Fl

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications.........(120)
- (b) All Other Design Costs........................(25)
- (c) Total.. 145
- (d) Contract.....................................(140)
- (e) In-house.....................................(5)

(4) Construction start........................ 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA	4. PROJECT TITLE FIRE STATION

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 730.10	7. PROJECT NUMBER P-081	8. PROJECT COST ($000) 1,230

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE STATION	SF	10,000	66.00	660
SUPPORTING FACILITIES.	-	-	-	470
FIRE ALARM TRANSMITTERS.	LS	-	-	(220)
CONTROL EQUIPMENT.	LS	-	-	(180)
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(70)
SUBTOTAL	-	-	-	1,130
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,180
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,250
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,230
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building, concrete spread footings and floor, roof construction of pre-cast, pre-stressed concrete, masonry walls with brick facing, high-bay area to accommodate equipment and electrically operated overhead doors, fire alarm detection and alerting systems improvement with radio type transmitters in 121 buildings, air conditioning, utilities.

11. REQUIREMENT: 10,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 3,500 SF.

PROJECT: Constructs fire station and provides fire alarm system.

REQUIREMENT: Adequate facilities to house fire fighting equipment and personnel providing protection for the naval hospital and the training center.

CURRENT SITUATION: There were two separate fire stations, one located at the hospital area with one fire fighting vehicle and ten personnel, and the other at main station with two fire fighting vehicles and twenty personnel. The hospital station was demolished to permit hospital expansion. The equipment and personnel were relocated to the main station, greatly increasing the already crowded conditions and requiring fire fighting vehicles to remain outside. Because of crowded conditions, the fire chief is forced to occupy office space in an adjoining building. In addition to fire station problems, the fire alarm system, a type of coded system, is deficient. Transmitters located at each major building are arranged to transmit individual coded signals to the central switch board.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA		
4. PROJECT TITLE FIRE STATION		5. PROJECT NUMBER P-081

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
The central alarm systems have been modified and extended over the past 35 years and this has resulted in a conglomeration of four different manufacturers equipment. Because it is extremely unreliable, the equipment requires high maintenance and the above ground wiring has been subject to frequent lightning damage.
IMPACT IF NOT PROVIDED: The center will continue to use an inefficient and ineffective fire alarm system, made-up of four different manufacturers equipment, some of which are not completely compatible, requiring high frequency maintenance, are unreliable, coupled with a 33 year-old fire station that is far too small will continue to force a split operational and supervisory situation.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 9-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(65)
(b) All Other Design Costs..........................(25)
(c) Total... 90
(d) Contract..(85)
(e) In-house..(5)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL DIVING AND SALVAGE TRAINING CENTER, PANAMA CITY, FLORIDA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 0.92

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	32	189	0	76	164	0	0	0	0	461
b. END FY 19 91	30	182	0	65	396	0	0	0	0	673

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NCSC
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	1,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	5,000
g. REMAINING DEFICIENCY	5,000
h. GRAND TOTAL	14,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Diver Training Bldg Addn	27,000 SF	2,850	5-85	5-86
	TOTAL		2,850		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

171.20 Diver Training Bldg Addn 34,500 SF 5,000

10. Mission or Major Functions: Train officer and enlisted personnel in diving, ship salvage, and submarine rescue.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
3. INSTALLATION AND LOCATION NAVAL DIVING AND SALVAGE TRAINING CENTER, PANAMA CITY, FLORIDA		4. PROJECT TITLE DIVER TRAINING BUILDING ADDITION		
5. PROGRAM ELEMENT 8 47 31 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-313	8. PROJECT COST ($000) 2,850	

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DIVER TRAINING BUILDING ADDITION	SF	27,000	-	1,980
BUILDING ADDITION.	SF	24,000	71.00	(1,700)
FLAMMABLE STORAGE BUILDING	SF	3,000	60.00	(180)
SMALL BOAT RAMP.	LS	-	-	(100)
SUPPORTING FACILITIES.	-	-	-	600
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(240)
UTILITIES.	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(260)
SUBTOTAL	-	-	-	2,580
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,710
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,860
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete training building addition, concrete foundation and floors; construct flammable storage building, boat ramp; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 111,520 SF. ADEQUATE: 21,940 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides an addition to the diver training building, a flammable storage building, and a boat ramp.

REQUIREMENT: Adequate training facilities to accommodate the growing demand for qualified divers in the fleet. Physical training facilities are an essential element of diver training. Diving is rigorous and demanding work and potentially dangerous. Excellent physical condition is mandatory to meet the hazards which could occur at any time. To prepare divers to cope with the physical demands placed on them, stringent physical training is necessary for all personnel, instructors and students alike.

CURRENT SITUATION: Existing facilities were constructed for 139 student divers. The current student load is 250. Shortages occur in all areas, but are most critical in shower and locker facilities, storage, classrooms, and administrative spaces. A follow-on project will be programmed in 1989 to satisfy the remaining space deficiency.

IMPACT IF NOT PROVIDED: The quality of training will be adversely affected, resulting in less proficient divers being sent to fleet activities for duty. The activity cannot supply the increased number of trained divers necessary to meet fleet needs.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL DIVING AND SALVAGE TRAINING CENTER, PANAMA CITY, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
DIVER TRAINING BUILDING ADDITION	P-313

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 5-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 5-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(175)
(b) All Other Design Costs.........................(90)
(c) Total.. 265
(d) Contract.......................................(205)
(e) In-house.......................................(60)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL TECHNICAL TRAINING CENTER, PENSACOLA, FLORIDA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	57	1062	455	69	3307	0	0	0	0	4950
b. END FY 1991	58	1138	455	75	3785	0	0	0	0	5511

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (431)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	36,980
c. AUTHORIZATION NOT YET IN INVENTORY	5,670
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,360
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,280
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	17,950
h. GRAND TOTAL	70,240

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Instrumentman Training Fac	53,900 SF	4,610	1-85	4-86
441.20	Contld Humidity Stg Facility	29,490 SF	1,570	3-83	10-86
890.09	Boiler Plant Modernizations	LS	1,180	7-85	6-86
	TOTAL		7,360		

9. Future Projects:

a. Included in following program (FY 88):

610.10	Administrative Bldg Modn	LS	2,280
			2,280

b. Major planned next three years: None.

10. Mission or Major Functions: Provide basic and advanced training for Navy cryptologic officer and enlisted personnel to prepare them for duties in their designated specialty and rating. Provide crypto training to select personnel of other services and agencies. Provide basic and advanced training for officers and enlisted men of the Navy in the operation and maintenance of electronic warfare equipment and systems.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL TECHNICAL TRAINING CENTER, PENSACOLA, FLORIDA	4. PROJECT TITLE INSTRUMENTMAN TRAINING FACILITY

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-109	8. PROJECT COST ($000) 4,610

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INSTRUMENTMAN TRAINING FACILITY.	SF	53,900	-	3,750
TRAINING BUILDING.	SF	52,000	63.00	(3,300)
MESSHALL ADDITION.	SF	1,900	116.00	(220)
BUILT-IN EQUIPMENT	LS	-	-	(230)
SUPPORTING FACILITIES.	-	-	-	540
ELECTRICAL UTILITIES	LS	-	-	(60)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(430)
SUBTOTAL	-	-	-	4,290
CONTINGENCY (5%)	-	-	-	210
TOTAL CONTRACT COST.	-	-	-	4,500
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	250
TOTAL REQUEST.	-	-	-	4,750
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,610
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building, concrete foundation and floors, built-up roof, specialized laboratories, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 53,900 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs an applied training building to house the Instrumentman and Opticalman (IM/OM) Schools and an addition to the enlisted dining facility.

REQUIREMENT: Adequate training facilities including classrooms and laboratories to accommodate moving the IM/OM schools from Great Lakes. The instrumentman and opticalman ratings are responsible for maintenance and repair of delicate and sensitive equipment such as clocks, chronometers, sextants, range finders, barometers, binoculars, telescopes, periscopes and microscopes. Graduates serve on submarine tenders and repair ships. Relocating these schools to Pensacola will allow the expansion of fire control technician training being conducted in trailers at Great Lakes, as well as fill under-utilized barracks space at Corry Station. The dining facility addition is needed to support the increased loading.

CURRENT SITUATION: There are no facilities, other than berthing, at this activity to accommodate the new training mission. There will be 150 students on-board, with 300 graduated annually. Course length varies from 15 to 24 weeks. The impetus for the schools' relocation is the necessity

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TECHNICAL TRAINING CENTER, PENSACOLA, FLORIDA		
4. PROJECT TITLE INSTRUMENTMAN TRAINING FACILITY		5. PROJECT NUMBER P-109

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
to expand fire control technician training. The advent of more ships and more complex ordnance systems has mandated expansion of training.
IMPACT IF NOT PROVIDED: IM/OM training cannot be accomplished at this activity. The fire control technican course cannot be expanded at Great Lakes. Fleet ships will experience shortage of trained personnel, leading to a derogation of their combat readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................1-85
(b) Percent Complete as of January 1986...........35
(c) Percent Complete as of October 1986...........100
(d) Date Design Complete..........................4-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(215)
(b) All Other Design Costs.........................(160)
(c) Total...375
(d) Contract......................................(275)
(e) In-house......................................(100)

(4) Construction start..........................1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL TECHNICAL TRAINING CENTER, PENSACOLA, FLORIDA	4. PROJECT TITLE CONTROLLED HUMIDITY STORAGE FACILITY

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 441.20	7. PROJECT NUMBER P-071	8. PROJECT COST ($000) 1,570

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONTROLLED HUMIDITY STORAGE FACILITY	SF	29,490	-	1,230
CONTROLLED HUMIDITY SPACE.	SF	6,570	39.00	(260)
GENERAL WAREHOUSE SPACE.	SF	11,920	27.00	(320)
SERVMART AND OFFICE SPACE.	SF	11,000	59.00	(650)
SUPPORTING FACILITIES.	-	-	-	180
UTILITIES.	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(60)
SUBTOTAL	-	-	-	1,410
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,480
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	90
TOTAL REQUEST.	-	-	-	1,570
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,570
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story building with 16-foot stacking height, concrete foundation and floor, wall bearing construction, masonry walls with brick facing, built-up roof, automatic sprinkler fire protection system, air conditioning, humidity control system; demolition of one building.

11. REQUIREMENT: 29,490 SF. ADEQUATE: 0 SF. SUBSTANDARD: 32,980 SF.

PROJECT: Constructs a facility to provide controlled humidity storage, general purpose warehouse, servmart, and administrative office space.

REQUIREMENT: Adequate and secure controlled humidity storage spaces to protect expensive and sensitive equipment from deterioration, and spaces for allied supply functions, including a general warehouse, servmart, and office spaces for warehouse administration. This activity is the tri-service center for cryptologic and electronic warfare training and has many items of delicate electronic equipment, some of which are highly classified.

CURRENT SITUATION: This center has no adequate storage space. Available storage space is scattered in nine different buildings. Existing spaces are inadequate because of physical condition, lack of humidity control, loading docks and ramps, access for material handling equipment, and security features for classified equipment storage.

IMPACT IF NOT PROVIDED: Security protection and humidity control of classified material and equipment cannot be provided. Fragmentation of existing spaces with resultant inefficiency will continue. Stored materials will continue to deteriorate. Potential for compromise of sensitive classified material will continue.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TECHNICAL TRAINING CENTER, PENSACOLA, FLORIDA		
4. PROJECT TITLE CONTROLLED HUMIDITY STORAGE FACILITY		5. PROJECT NUMBER P-071

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 3-83
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete............................ 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ______________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(70)
(b) All Other Design Costs...............................(40)
(c) Total.. 110
(d) Contract...(80)
(e) In-house...(30)

(4) Construction start.......................... 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL CONSTRUCTION TRAINING CENTER,
PORT HUENEME, CALIFORNIA

4. COMMAND
CHIEF OF NAVAL
EDUCATION AND TRAINING

5. AREA CONSTR. COST INDEX
1.20

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	6	142	15	3	348	0	0	0	0	514
b. END FY 19 91	7	157	15	3	548	0	0	0	0	730

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NCBC
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	4,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,710
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	6,500
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	16,010

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Seabee Fleet Supp Trng Facs	19,670 SF	3,240	7-85	6-86
214.20	Auto Vehicle Maint Fac	8,410 SF	1,470	9-85	4-86
	TOTAL		4,710		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

171.20	Applied Instruction Bldg	44,350 SF	5,320
171.77	Training Material Storage	11,210 SF	1,180

10. Mission or Major Functions: Train Seabee personnel to prepare them for early usefulness in their designated specialties; supplement on-the-job training with advanced and specialized training when such training is more advantageously given in a formal school.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, PORT HUENEME, CALIFORNIA		4. PROJECT TITLE SEABEE FLEET SUPPORT TRAINING FACILITIES	
5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-436	8. PROJECT COST ($000) 3,240

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SEABEE FLEET SUPPORT TRAINING FACILITIES . .	SF	19,670	-	2,450
INSTRUCTION BUILDINGS.	SF	19,670	99.00	(1,950)
SUPPORT FACILITIES	LS	-	-	(160)
RESCUE TOWER	LS	-	-	(70)
SMALL CRAFT BERTHING	LS	-	-	(270)
SUPPORTING FACILITIES.	-	-	-	530
UTILITIES.	LS	-	-	(210)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(320)
SUBTOTAL	-	-	-	2,980
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,130
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,300
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,240
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story and five one-story reinforced concrete and masonry buildings, concrete foundations and floors, built-up roofs, sound attenuation; dive tank; one 50-foot high steel training tower; conversion of one building to heavy rescue training mock-up; air filtration for gas chamber; hazardous material storage; dredging and small craft berthing; fire protection system, ventilation system, utilities; demolition of eleven buildings.

11. REQUIREMENT: 183,930 SF. ADEQUATE: 26,210 SF. SUBSTANDARD: 45,040 SF.

PROJECT: Provides facilities for disaster recovery training, and for training personnel in basic and advanced underwater construction techniques.

REQUIREMENT: Adequate training facilities to train personnel in disaster recovery techniques and in the skills of underwater construction techniques. Seabee personnel trained in these skills will provide assistance and direction to fleet units and naval shore activities. Berthing is necessary to support a self-propelled underwater construction training platform. Widespread damage from fires, floods, storms, or enemy action are classified as disasters. Expeditious action is necessary to restore transportation, utility, communication, and other systems to operating condition after a disaster.

CURRENT SITUATION: Port Hueneme is the only training center providing underwater construction training. This training is located in three inadequate, deteriorated, and outdated facilities shared with the Disaster Recovery School which functions in 11 deteriorated, wooden, and metal

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, PORT HUENEME, CALIFORNIA		
4. PROJECT TITLE SEABEE FLEET SUPPORT TRAINING FACILITIES		5. PROJECT NUMBER P-436

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

43 year-old buildings. Because of these widely separated buildings, the fragmentation of instruction inhibits efficient organization, operation, and instruction. The buildings are poorly heated, have no insulation or air conditioning, are inadequately lighted and lack modern amenities. The self-propelled diving platform is berthed in the Port Hueneme harbor, two miles from the classrooms. The dive tank used belongs to the Civil Engineering Laboratory, approximately four miles from the classrooms. Training is restricted when this tank is not available. Disaster recovery training is a five-day course. There are 32 persons per class, with 2,000 Seabees trained annually. Courses in underwater construction are eight weeks in length, and fifty Navy and thirty Army personnel are graduated annually.

IMPACT IF NOT PROVIDED: Continued use of deficient facilities will adversely affect mission functions and critically impair the command's capability to provide professionally trained disaster recovery and underwater construction personnel to the Naval Construction Forces.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 7-85
- (b) Percent Complete as of January 1986........... 50
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (165)
- (b) All Other Design Costs........................ (160)
- (c) Total... 325
- (d) Contract...................................... (305)
- (e) In-house...................................... (20)

(4) Construction start......................... 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, PORT HUENEME, CALIFORNIA		4. PROJECT TITLE AUTOMOTIVE VEHICLE MAINTENANCE FACILITY	
5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 214.20	7. PROJECT NUMBER P-431	8. PROJECT COST ($000) 1,470

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AUTOMOTIVE VEHICLE MAINTENANCE FACILITY. . .	SF	8,410	-	950
VEHICLE MAINTENANCE FACILITY	SF	8,410	88.00	(740)
VEHICLE WASH PLATFORM.	LS	-	-	(90)
FUEL DISPENSING FACILITIES	LS	-	-	(30)
BUILT-IN EQUIPMENT	LS	-	-	(90)
SUPPORTING FACILITIES.	-	-	-	430
UTILITIES.	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(280)
SUBTOTAL	-	-	-	1,380
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,450
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,530
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,470
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry maintenance building, concrete foundation and floor, built-up roof; bridge crane; two outlet fuel dispensing station, two 5,000-gallon fuel storage tanks; three-bay vehicle wash platform; fire protection system, utilities; demolition of four buildings.

11. REQUIREMENT: 8,410 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides vehicle maintenance, wash, and fuel dispensing facilities.

REQUIREMENT: Adequate facilities for washing, fueling, and maintaining equipment. This activity has over 250 trucks, bulldozers, earthmovers, cranes, and other heavy construction equipment used for teaching Seabee personnel the operation and maintenance courses for the various types of equipment.

CURRENT SITUATION: The present wash facility is a concrete slab with a water hose. There are no steam or compressed air facilities available. The wash water, with its oil and grease contaminants flow into an open field where it either evaporates or percolates into the soil. The service station constructed in 1952 dispenses vehicle gasoline and diesel fuel, and does not meet California air quality standards because it has no vapor recovery system. The below-ground tanks are susceptible to leaks, which would go undetected until they become very severe. The maintenance shop is in poor condition, improperly lighted, and difficult to cool and heat. It

(Continued on DD 1391c)

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1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL CONSTRUCTION TRAINING CENTER, PORT HUENEME, CALIFORNIA

4. PROJECT TITLE
AUTOMOTIVE VEHICLE MAINTENANCE FACILITY

5. PROJECT NUMBER
P-431

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
is small, especially for the larger pieces of construction equipment. Spare parts storage space is minimal.
IMPACT IF NOT PROVIDED: Vehicle maintenance will be performed in a facility utilized for instruction. Vehicles will be manually washed and utilization of the substandard fuel dispensing station will continue. Increased time and effort will be necessary to keep equipment available for instructional use. The quality of instruction could be lowered because of excessive equipment down-time.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 9-85
- (b) Percent Complete as of January 1986........... 50
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 4-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (60)
- (b) All Other Design Costs......................... (90)
- (c) Total.. 150
- (d) Contract....................................... (120)
- (e) In-house....................................... (30)

(4) Construction start.............................. 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
FLEET INTELLIGENCE TRAINING CENTER
PACIFIC, SAN DIEGO, CALIFORNIA

4. COMMAND
CHIEF OF NAVAL EDUCATION
AND TRAINING

5. AREA CONSTR. COST INDEX
1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	11	13	3	0	40	0	0	0	0	67
b. END FY 19 91	20	14	3	0	101	0	0	0	0	138

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE Tenant of NTC
b. INVENTORY TOTAL AS OF 30 SEP 1985 0
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 4,220
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. GRAND TOTAL 4,220

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Intelligence Trng Bldg	25,770 SF	4,220	9-85	7-86
	TOTAL		4,220		

9. Future Projects:
a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provide basic and specialized training in naval intelligence for fleet, reserve, and foreign naval personnel.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION FLEET INTELLIGENCE TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE INTELLIGENCE TRAINING BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
8 57 96 N	171.20	P-001	4,220

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INTELLIGENCE TRAINING BUILDING	SF	25,770	-	2,450
BUILDING	SF	25,730	85.00	(2,190)
SECURITY GATE SENTRY HOUSE	SF	40	400.00	(20)
BUILT-IN EQUIPMENT	LS	-	-	(240)
SUPPORTING FACILITIES.	-	-	-	1,420
ELECTRICAL UTILITIES	LS	-	-	(740)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(560)
SUBTOTAL	-	-	-	3,870
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST.	-	-	-	4,070
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,300
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,220
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, reinforced concrete and masonry walls, pile and concrete foundations, concrete floors, built-up roofs on concrete over steel deck and framing, sound attenuation, shielding, security alarm system; security gate sentry house; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 25,770 SF. ADEQUATE: 0 SF. SUBSTANDARD: 11,490 SF.

PROJECT: Provides a facility for training personnel in the collection, analysis, and dissemination of information on enemy resources, shortfalls, and intentions. Includes security measures commensurate with its function.

REQUIREMENT: Advance knowledge of the enemy's plans and capabilities provides a significant advantage in a military operation. To attain this advantage requires personnel trained in the methods, techniques, and equipment used. A facility is required for this training.

CURRENT SITUATION: The existing facility, located on-board the Naval Training Center, San Diego, is adequate for the present student load, but cannot be economically enlarged to provide for an expanded loading. There are 200 students on-board, with 1,300 graduating annually. It is proposed by 1989 to graduate 2,300 annually. This growth cannot be accommodated in the present facility. Training is provided to fleet, reserve, and allied Naval personnel. The only other location where intelligence training is provided is at Dam Neck, Virginia and that facility is used to its capacity.

(Continued on DD 1391c)

U.S. Government Printing Office: 1984-[illegible]

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
FLEET INTELLIGENCE TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE
INTELLIGENCE TRAINING BUILDING

5. PROJECT NUMBER
P-001

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Impossible for this school to provide the increased number of trained intelligence personnel to the fleet. This results in reduced ship's manning and a potentially higher level of risk in fleet operations.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................9-85
- (b) Percent Complete as of January 1986............40
- (c) Percent Complete as of October 1986............100
- (d) Date Design Complete.............................7-86

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(200)
- (b) All Other Design Costs..........................(100)
- (c) Total...300
- (d) Contract..(285)
- (e) In-house..(15)

(4) Construction start..........................1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3910

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
FLEET TRAINING CENTER,
SAN DIEGO, CALIFORNIA

4. COMMAND
CHIEF OF NAVAL
EDUCATION AND TRAINING

5. AREA CONSTR. COST INDEX
1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	3	38	26	84	722	0	0	0	0	873
b. END FY 19 91	4	27	26	98	909	0	0	0	0	1064

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NTC
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	20,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,930
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,600
f. PLANNED IN NEXT THREE PROGRAM YEARS	31,930
g. REMAINING DEFICIENCY	4,050
h. GRAND TOTAL	66,510

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Weapons Training Building	28,800 SF	3,930	7-85	8-86
	TOTAL		3,930		

9. Future Projects:

a. Included in following program (FY 88):

171.20	Security Training Center	70,000 SF	6,600
			6,600

b. Major planned next three years:

171.20	Applied Instruction Bldg	LS	19,950
171.35	Operational Trainer Fac	9,150 SF	11,980

10. Mission or Major Functions: Provide operational training in the various aspects of shipboard operation and maintenance which cannot adequately be conducted on-board ship.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION FLEET TRAINING CENTER, SAN DIEGO, CALIFORNIA		4. PROJECT TITLE WEAPONS TRAINING BUILDING	
5. PROGRAM ELEMENT 8 47 31 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-013	8. PROJECT COST ($000) 3,930

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS TRAINING BUILDING.	SF	28,800	-	3,280
TRAINING BUILDING.	SF	26,500	85.00	(2,250)
CLOSED-IN WEAPON SYSTEM BUILDING	SF	2,300	139.00	(320)
PEDESTRIAN BRIDGE.	LS	-	-	(40)
BUILT-IN EQUIPMENT	LS	-	-	(670)
SUPPORTING FACILITIES.	-	-	-	280
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(280)
SUBTOTAL	-	-	-	3,560
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,740
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	210
TOTAL REQUEST.	-	-	-	3,950
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,930
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One three-story and one single-story reinforced concrete and masonry buildings, concrete spread foundation and floors, built-up roof on steel frame, elevator, raised flooring, shielding, security system; pedestrian bridge connecting new building to existing building; energy monitoring and control system, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 387,980 SF. ADEQUATE: 183,800 SF. SUBSTANDARD: 126,040 SF.

PROJECT: Provides space for training maintenance and operations procedures of fleet weapons systems.

REQUIREMENT: Adequate facilities to provide instruction on vertically launched weapons, Tomahawk and Harpoon missiles, a 25MM gun, and a new gunfire control system. Fourteen courses of instruction are being introduced, ranging in length from one to 20 weeks. Equipment is being procured for installation beginning in 1988.

CURRENT SITUATION: Building spaces are not available at this command to house equipment for the new courses or the associated classrooms and instructor areas. The host activity has no building space to accommodate the requirement. The center's remaining needs will be programmed in a later year in accordance with overall Navy priorities.

IMPACT IF NOT PROVIDED: Instruction associated with this new mission on vertically launched weapons will not be possible. The Navy would have major fleet weapons systems without trained personnel to use them.

(Continued on DD 1391c)

U.S. Government Printing Office: 1984-

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION FLEET TRAINING CENTER, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE WEAPONS TRAINING BUILDING		5. PROJECT NUMBER P-013

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 7-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(210)
(b) All Other Design Costs..........................(140)
(c) Total.. 350
(d) Contract..(310)
(e) In-house..(40)

(4) Construction start......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	239	2364	480	22	10712	0	0	226	0	14043
b. END FY 19 91	246	2302	480	36	11449	0	0	228	0	14741

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(546)
b. INVENTORY TOTAL AS OF 30 SEP 1985	69,420
c. AUTHORIZATION NOT YET IN INVENTORY	11,200
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	21,120
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	22,290
f. PLANNED IN NEXT THREE PROGRAM YEARS	38,440
g. REMAINING DEFICIENCY	5,550
h. GRAND TOTAL	168,020

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Machinery Repair Trng Bldg	64,870 SF	5,700	9-85	8-86
721.14	Barracks	44,540 SF	4,220	7-85	6-86
812.30	Elect Distr Sys Imprs	LS	8,250	7-85	9-86
851.20	Bridge	LS	2,950	1-85	4-86
	TOTAL		21,120		

9. Future Projects:

a. Included in following program (FY 88):

171.10	Apprentice Training Bldg	56,850 SF	6,700
171.20	Advanced Welding School	63,000 SF	8,100
171.35	Fire Fighting Training Fac	LS	6,190
740.21	Recruit Support Center	9,500 SF	1,300
			22,290

b. Major planned next three years:

721.11	Bachelor Enlisted Quarters	720 PN	10,250

10. Mission or Major Functions: Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel of the regular Navy and the Naval Reserve.

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA		4. PROJECT TITLE MACHINERY REPAIRMAN TRAINING BUILDING	
5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-332	8. PROJECT COST ($000) 5,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MACHINERY REPAIRMAN TRAINING BUILDING. . . .	SF	64,870	-	4,410
BUILDING	SF	8,160	96.00	(780)
BUILDING IMPROVEMENT	SF	56,710	64.00	(3,630)
SUPPORTING FACILITIES.	-	-	-	820
ELECTRICAL UTILITIES	LS	-	-	(300)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(450)
SUBTOTAL	-	-	-	5,230
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST.	-	-	-	5,490
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	300
TOTAL REQUEST.	-	-	-	5,790
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete spread foundation and floor, built-up roof, rehabilitate and alter three buildings; fire protection system, mechanical ventilation, utilities; demolition of two buildings.

11. REQUIREMENT: 64,870 SF. ADEQUATE: 0 SF. SUBSTANDARD: 78,510 SF.

PROJECT: Constructs shop facility and rehabilitates shop spaces used for teaching repair and maintenance of shipboard machinery, and air conditioning and refrigeration equipment.

REQUIREMENT: Skilled technical personnel to provide routine and emergency non-scheduled maintenance and repair of the complex mechanical equipments used on ships.

CURRENT SITUATION: Students are trained to be either machinists or air conditioning and refrigeration specialists. Machinists learn to use lathes or milling machines to repair old or to manufacture new parts to keep ships operational. Air conditioning specialists learn the maintenance techniques of heating, ventilation, and air conditioners used on ships. The machinery repair school trains 500 students annually, with a 30% increase planned to 650. The air conditioning and refrigeration school graduates over 500 students annually. Upon graduation students are assigned to repair shops or Shore Intermediate Maintenance Activities. The present training spaces were built in 1942 through 1951 and are in poor condition. They are fully utilized and cannot accommodate planned

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE MACHINERY REPAIRMAN TRAINING BUILDING		5. PROJECT NUMBER P-332

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
expansion. The four different buildings used result in fragmentation and loss of student control. The buildings are cold in the winter and hot and noisy in the summer.

IMPACT IF NOT PROVIDED: Training will continue to be conducted in buildings ill-suited to current needs with adverse effects on morale and the quality of training. Personnel will report to fleet billets with less than optimum skill levels and require longer on-the-job training before full job performance levels are attained.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 9-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.............................. 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (250)
(b) All Other Design Costs............................ (250)
(c) Total.. 500
(d) Contract.. (480)
(e) In-house.. (20)

(4) Construction start......................... 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE BARRACKS

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 721.14	7. PROJECT NUMBER P-171	8. PROJECT COST ($000) 4,220

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	44,540	-	3,470
BERTHING SPACE	SF	41,400	76.00	(3,140)
SUPPORT SPACE.	SF	3,140	105.00	(300)
SUPPORTING FACILITIES.	-	-	-	410
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(160)
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
SUBTOTAL	-	-	-	3,880
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST.	-	-	-	4,080
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,310
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,220
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story core building with spread footing foundation, two three-story dormitory buildings with pile foundations, concrete floors and roofs, masonry walls, reinforced concrete frames, mission clay roofing tile, fire protection system, mechanical ventilation, utilities; semi-open-bay living compartments concept.

Grade mix: 360 E1-E4. Total: 360.

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11. REQUIREMENT: 3,625 PN. ADEQUATE: 1,840 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 360 enlisted students assigned to Navy basic "A" schools.
REQUIREMENT: Adequate housing for 3,625 "A" school students either undergoing basic skills training after completion of recruit training or are upgrading basic skill training requirements.
CURRENT SITUATION: Berthing capacity of 1,840 spaces exists on base. A new construction deficiency of 1,785 adequate billeting spaces exists for "A" school students. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by follow-on projects currently proposed for Fiscal Years 1988 and 1990. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE BARRACKS		5. PROJECT NUMBER P-171

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Overcrowding of adequate student berthing spaces will continue, with some students housed in facilities below the minimum standards of adequacy to the detriment of morale, training, and career retention efforts.
ADDITIONAL: "A" school students are not eligible for civilian community housing.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................................. 7-85
(b) Percent Complete as of January 1986.............. 45
(c) Percent Complete as of October 1986.............. 100
(d) Date Design Complete................................. 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes X No ____
(b) Where Design Was Most Recently Used: NTC San Diego, CA

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications..........(170)
(b) All Other Design Costs.................................(85)
(c) Total.. 255
(d) Contract...(245)
(e) In-house...(10)

(4) Construction start.............................. 5-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL TRAINING CENTER,
SAN DIEGO, CALIFORNIA

4. PROJECT TITLE
ELECTRICAL DISTRIBUTION
SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT
7 20 96 N

6. CATEGORY CODE
812.30

7. PROJECT NUMBER
P-083

8. PROJECT COST ($000)
8,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS.	LS	-	-	7,570
SUBTOTAL	-	-	-	7,570
CONTINGENCY (5%)	-	-	-	380
TOTAL CONTRACT COST.	-	-	-	7,950
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	440
TOTAL REQUEST.	-	-	-	8,390
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,250
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Extend 12 KV radial power distribution system to form a primary loop, replace switching station, add new ducts, manholes, 15 KV insulated cable, street lighting.

11. REQUIREMENT: As Required.

PROJECT: Provides expansion of high voltage power distribution system, construction of switching station and cable ducts, and replacement of street lighting.

REQUIREMENT: Efficient, reliable electrical service to all base facilities, and increased electrical system capacity to allow orderly expansion and accommodate future facilities. Much of the training is accomplished in modern windowless facilities on expensive high-tech equipment where environmental control is mandatory. The most practical and cost effective means to accommodate the requirement is to replace the system with a new higher-capacity, high-voltage loop distribution system. Adequate street lighting is necessary to enhance personnel security and reduce potential vehicular accidents.

CURRENT SITUATION: The electric power distribution system consists of a low-voltage network, loaded to its limits, and a few newer high-voltage radial circuits. The existing system was installed prior to the 1940s and expanded continuously. The distribution equipment and conductors are deteriorated and obtaining replacement parts is a procurement problem. Many of the manholes are completely filled with cable. Most ducts are

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS		5. PROJECT NUMBER P-083

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
three or four inches in diameter and cannot be reused for newer larger conductors. System downtime because of cable and equipment failure is common. The power demand for this facility has been increasing steadily with construction of new buildings and training facilities. Street lighting is deteriorated and obsolete. Inadequate street lighting is a serious hazard contributing to vehicular accidents with potential personal injury and property damage.

IMPACT IF NOT PROVIDED: Electrical service to all facilities will become more unreliable with increased maintenance costs. A hazard to pedestrians and motorists will continue to exist.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 7-85
- (b) Percent Complete as of January 1986........... 50
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 9-86

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (350)
- (b) All Other Design Costs........................ (360)
- (c) Total... 710
- (d) Contract...................................... (700)
- (e) In-house...................................... (10)

(4) Construction start.......................... 4-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE BRIDGE

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 851.20	7. PROJECT NUMBER P-352	8. PROJECT COST ($000) 2,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BRIDGE	LS	-	-	2,340
REINFORCED CONCRETE STRUCTURE.	SY	2,770	500.00	(1,390)
GUARD HOUSES	SF	50	245.00	(10)
UTILITIES (MAINS) RELOCATION	LS	-	-	(940)
SUPPORTING FACILITIES.	-	-	-	(360)
UTILITIES, PAVING & SITE IMPR, DEMOLITION.	LS	-	-	(360)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,000
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete vehicular and pedestrian bridge, two traffic lanes, two sidewalks, two guard houses; relocate utilities; modify roads; paving and site improvement; demolition of existing wood bridge.

11. REQUIREMENT: As Required.

PROJECT: Constructs combined vehicular and pedestrian bridge.

REQUIREMENT: An adequate and safe bridge across the small-craft canal for access to the Camp Nimitz area of the station, where the recruit in-processing facility, two receiving barracks, recruit dining facility, and housing for 50 recruit companies are located.

CURRENT SITUATION: Access to the Camp Nimitz area is by either a wooden bridge constructed in 1953 or by leaving the base, driving over city streets, and re-entering the Nimitz portion of the base. A recent engineering study reports the bridge has exceeded its normal life expectancy and is severely over stressed. As a consequence, emergency repairs are underway to extend the short term life expectancy of the bridge. Even after these repairs are completed, operating restrictions on bridge usage will close the bridge when winds exceed 30 MPH; allow no vehicles over the bridge with a gross weight exceeding five tons; allow only one vehicle on the bridge with a gross weight between three and a half tons and five tons; allow only two vehicles with a gross weight of less than three and a half tons on the bridge at a time, and these must maintain a minimum spacing of 75 feet; and require marching units to maintain a

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE BRIDGE		5. PROJECT NUMBER P-352

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
minimum spacing of 75 feet and not march in cadence. This bridge also carries the main steam line from Camp Nimitz steam plant and other utilities across the canal to the Naval Training Center and the Fleet Anti-Submarine Warfare Training Center, Pacific. The bridge is an important link between two significant areas of the training center. Fire trucks must use city streets, requiring additional time, increasing the risk for loss of lives and property. As there is no regularly manned entrance to the Nimitz area, any vehicle over five tons must make prior arrangement with the security force to be admitted and later to be allowed to exit.
IMPACT IF NOT PROVIDED: Continued use of the bridge imperils lives. Catastrophic failure will sever utility lines and close the small boat canal, creating severe disruption of base activities until emergency repairs are completed.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 1-85
(b) Percent Complete as of January 1986.......... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 4-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (300)
(b) All Other Design Costs........................ (45)
(c) Total.. 345
(d) Contract....................................... (15)
(e) In-house....................................... (330)

(4) Construction start........................ 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL TECHNICAL TRAINING CENTER,
SAN FRANCISCO, CALIFORNIA

4. COMMAND
CHIEF OF NAVAL
EDUCATION AND TRAINING

5. AREA CONSTR. COST INDEX
1.25

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	14	169	14	31	466	0	0	0	0	694
b. END FY 19 91	14	172	14	34	693	0	0	0	0	927

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NSTI
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	1,570
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,820
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	5,750
g. REMAINING DEFICIENCY	650
h. GRAND TOTAL	17,790

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.45	Fire Fighting Trainer Fac	LS	9,820	9-85	8-86
	TOTAL		9,820		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

171.20	Underway Rep Trng Fac	26,660 SF	3,300
171.20	Damage Control Trng Fac	LS	2,450

10. Mission or Major Functions: Train officer and enlisted personnel to prepare for early usefulness afloat in their designated specialties and to supplement training afloat by providing personnel advanced and specialized training which can be more advantageously given ashore.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL TECHNICAL TRAINING CENTER, SAN FRANCISCO, CALIFORNIA	4. PROJECT TITLE FIRE FIGHTING TRAINER FACILITY

5. PROGRAM ELEMENT 8 47 31 N	6. CATEGORY CODE 179.45	7. PROJECT NUMBER P-216	8. PROJECT COST ($000) 9,820

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINER FACILITY	LS	-	-	6,100
FIRE FIGHTING TRAINER FIELDS	LS	-	-	(4,000)
BUILDINGS.	SF	17,900	89.00	(1,590)
FUEL STORAGE AND TRANSFER FACILITY	LS	-	-	(510)
SUPPORTING FACILITIES.	-	-	-	2,930
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,230)
UTILITIES.	LS	-	-	(500)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,000)
DEMOLITION	LS	-	-	(200)
SUBTOTAL	-	-	-	9,030
CONTINGENCY (5%)	-	-	-	450
TOTAL CONTRACT COST.	-	-	-	9,480
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	520
TOTAL REQUEST.	-	-	-	10,000
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	9,820
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(16,260)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three fire fighting trainer fields; reinforced concrete frame and masonry buildings, including classrooms, storage, and maintenance spaces; propane fuel storage, distribution, and off-loading facility; wastewater recovery and treatment facility; utilities; demolition of 16 buildings.

11. REQUIREMENT: 29,400 SF. ADEQUATE: 0 SF. SUBSTANDARD: 8,410 SF.

PROJECT: Constructs fire fighting training facility for surface, shipboard, and aircraft fires.

REQUIREMENT: Adequate fire fighting training facilities to accommodate and satisfy a mandatory requirement for all officers and enlisted personnel. Additional practical and theoretical fire fighting training is necessary for personnel assigned as damage control parties. This project will provide facilities for a basic introductory level fire fighting trainer, an advanced level trainer for coordinated fire fighting team practice, and an aircraft carrier flight deck fire fighting trainer.

CURRENT SITUATION: The existing fire fighting training complex utilizes an outdoor area and three inside training facilities simulating a boiler room, engine room, and shipboard facility. Outdoor training can only be performed on a burn-day determined by the Environmental Protection Agency and the Bay Area Air Quality Management District. On days when burning is not allowed, the training cannot be offered, disrupting class scheduling. The training facilities utilize wood and oil fires emitting great amounts of particulates. Natural gas afterburners bring structurally contained

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL TECHNICAL TRAINING CENTER, SAN FRANCISCO, CALIFORNIA		
4. PROJECT TITLE FIRE FIGHTING TRAINER FACILITY		5. PROJECT NUMBER P-216

11. **REQUIREMENT:** (Continued)

CURRENT SITUATION: (Continued)
emissions within acceptable standards. However, this system uses a large volume of fuel rendering it operationally cost prohibitive. The proposed trainers will be environmentally clean and offer significantly improved levels of training. Instructors can produce fire situations at will on simulators until the proper student response is received.

IMPACT IF NOT PROVIDED: Adversely impact on ship's survivability because personnel will not be adequately trained in these valuable skills.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

- (1) Status:
  - (a) Date Design Started.............................. 9-85
  - (b) Percent Complete as of January 1986........... 45
  - (c) Percent Complete as of October 1986........... 100
  - (d) Date Design Complete.............................. 8-86
- (2) Basis:
  - (a) Standard or Definitive Design: Yes___ No X
  - (b) Where Design Was Most Recently Used: ________
- (3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  - (a) Production of Plans and Specifications.........(490)
  - (b) All Other Design Costs..........................(135)
  - (c) Total.. 625
  - (d) Contract..(615)
  - (e) In-house..(10)
- (4) Construction start.......................... 2-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Basic Fire Fighting Trainer (Device 19F3); Advanced Team Trainer (Device 19F1); Aircraft Carrier Fire Fighting Trainer (Device 19F4)	OPN-7	1987	16,260

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION COMBAT SYSTEMS TECHNICAL SCHOOLS COMMAND MARE ISLAND, VALLEJO, CALIFORNIA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 1.25

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	24	473	17	17	1112	0	0	117	0	1760
b. END FY 19 91	22	511	17	12	1397	0	0	117	0	2076

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NSY
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	16,080
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	21,280

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Combat Sys Maint Trng Fac	45,000 SF	5,200	7-85	4-86
	TOTAL		5,200		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

171.20	Applied Instruction Bldg	LS	8,580
171.20	Maintenance Trng Fac	LS	6,000
610.10	Administrative Offices Modn	LS	1,500

10. Mission or Major Functions: Train officer and enlisted personnel of the US and allied foreign navies in the operation and maintenance of surface missile systems, combat data systems, and cryptographic equipment on combatant ships.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION COMBAT SYSTEMS TECHNICAL SCHOOLS COMMAND MARE ISLAND, VALLEJO, CALIFORNIA	4. PROJECT TITLE COMBAT SYSTEMS MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT 8 47 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-025	8. PROJECT COST ($000) 5,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT SYSTEMS MAINTENANCE TRAINING FACILITY	SF	45,000	-	4,080
BUILDING	SF	45,000	85.00	(3,830)
BUILT-IN EQUIPMENT	LS	-	-	(250)
SUPPORTING FACILITIES.	-	-	-	680
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(150)
UTILITIES.	LS	-	-	(330)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
SUBTOTAL	-	-	-	4,760
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST.	-	-	-	5,000
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	270
TOTAL REQUEST.	-	-	-	5,270
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four-story reinforced concrete frame and masonry building, concrete foundation and floors, built-up roof on concrete deck, elevator, computer flooring, security system, fire protection system, air conditioning and mechanical ventilation, utilities.

11. REQUIREMENT: 45,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a training facility.

REQUIREMENT: Adequate facilities for training US Navy and allied foreign Naval personnel in the operations and maintenance of tactical data systems, combat data systems, crypotographic equipment, and surface to air missile systems.

CURRENT SITUATION: This command has expanded to keep abreast of developing technology. As technical equipment was received, it was installed in classroom space. As classrooms have been converted, the number available for instruction has decreased to the point where relocatable facilities had to be leased for classroom space. Even with relocatable facilities, classes are conducted in shifts. Instructor spaces, training aids, and other support spaces are equally crowded. Courses range from one to 26 weeks. There are 1,400 students on-board, with over 4,000 graduated annually.

IMPACT IF NOT PROVIDED: Classes will continue to be conducted in shifts. The quality of training will suffer. Personnel will report to fleet billets with less than optimum training and skill levels, requiring longer-on-the-job training before full job performance levels are attained, which will be reflected in degraded fleet performance.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION COMBAT SYSTEMS TECHNICAL SCHOOLS COMMAND MARE ISLAND, VALLEJO, CALIFORNIA		
4. PROJECT TITLE COMBAT SYSTEMS MAINTENANCE TRAINING FACILITY		5. PROJECT NUMBER P-025

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 7-85
(b) Percent Complete as of January 1986.......... 45
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 4-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(275)
(b) All Other Design Costs.........................(135)
(c) Total.. 410
(d) Contract.......................................(390)
(e) In-house.......................................(20)

(4) Construction start......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, WHITING FIELD, FLORIDA	4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING	5. AREA CONSTR. COST INDEX 0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	493	875	1520	1168	0	0	0	0	0	4056
b. END FY 1991	564	955	1251	1009	0	0	0	0	0	3779

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(11,328)
b. INVENTORY TOTAL AS OF 30 SEP 1985	59,190
c. AUTHORIZATION NOT YET IN INVENTORY	12,050
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,120
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,840
f. PLANNED IN NEXT THREE PROGRAM YEARS	9,110
g. REMAINING DEFICIENCY	2,160
h. GRAND TOTAL	90,470

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
111.10	Runway Improvement	187,840 SY	2,120	4-84	12-85
	TOTAL		2,120		

9. Future Projects:

a. Included in following program (FY 88):

111.10	Airfield Safety Improvement	LS	3,600
121.10	Helicopter Direct Fueling Sys	1,200 GM	1,930
911.10	Land Acquisition	90 AC	310
			5,840

b. Major planned next three years:

740.43	Gymnasium	29,000 SF	2,650
911.10	Land Acquisition	245 AC	3,550

10. Mission or Major Functions: Maintain and operate facilities and provide services and materials to support operations of aviation activities and units of the Naval Air Training Command.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	440

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, WHITING FIELD, FLORIDA	4. PROJECT TITLE RUNWAY IMPROVEMENT

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 111.10	7. PROJECT NUMBER P-201	8. PROJECT COST ($000) 2,120

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RUNWAY IMPROVEMENT.	SY	187,840	10.00	1,950
SUBTOTAL	-	-	-	1,950
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,050
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	112
TOTAL REQUEST.	-	-	-	2,162
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,120
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Rebuild three 200-foot wide runways, reconstruct base course, overlay with asphaltic concrete, pavement markings.

11. REQUIREMENT: 187,840 SY. ADEQUATE: 0 SY. SUBSTANDARD: 187,840 SY.

PROJECT: Improves runway pavement at Outlying Field Silverhill to assure facility capablility in sustaining utilization for student pilot training.

REQUIREMENT: Adequate pavement surfaces at outlying fields for effective and safe flight training operations. The training of student pilots requires outlying fields for air operations involved in teaching take-offs, landings, and instrument approaches.

CURRENT SITUATION: Silverhill is located 35 miles northwest of NAS Pensacola, and 50 miles west of Whiting Field. It was commissioned in 1943 and has received minimum maintenance since then. Existing pavement surfaces are severely deteriorated from age. Foreign object damage, in the form of widespread cracking, raveling, and spalling, jeopardizes aircraft operations. Because of its poor condition, it is now used for only 30,000 aircraft operations annually. Upon completion of this project, it will be used for approximately 100,000 air operations annually. This project is considered to be appropriate for military construction funding, as the cost to repair exceeds 75% of the cost of new construction.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, WHITING FIELD, FLORIDA

4. PROJECT TITLE
RUNWAY IMPROVEMENT

5. PROJECT NUMBER
P-201

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Deteriorated airfield pavement surfaces will continue to pose a potential threat to safe aircraft operations, impending both student aviators and aircraft. Excessive maintenance costs will continue. Foreign object damage to aircraft from pavement debris will continue. Excessive congestion of aircraft operations in the vicinity of other outlying fields will pose a dangerous hazard to student pilots.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 4-84
(b) Percent Complete as of January 1986........... 100
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 12-85

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (30)
(b) All Other Design Costs........................ (20)
(c) Total... 50
(d) Contract...................................... (10)
(e) In-house...................................... (40)

(4) Construction start......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3919

NAVAL MEDICAL COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL MEDICAL COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NAVHOSP Camp Lejeune, NC	721	Bachelor Enlisted Quarters	$1,670	$1,670	432
		Subtotal	1,670	1,670	
NAVHOSP Pensacola, FL	682	Fire Protection System Improvements	690	690	768
		Subtotal	690	690	
TOTAL - NAVAL MEDICAL COMMAND			2,360	2,360	

1. COMPONENT NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVAL HOSPITAL,
CAMP LEJEUNE, NORTH CAROLINA

4. COMMAND
NAVAL MEDICAL
COMMAND

5. AREA CONSTR. COST INDEX
0.86

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	203	573	282	0	0	0	0	0	0	1058
b. END FY 19 91	224	628	282	0	0	0	0	0	0	1134

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(166)
b. INVENTORY TOTAL AS OF 30 SEP 1985	57,440
c. AUTHORIZATION NOT YET IN INVENTORY	3,770
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,670
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	18,000
h. GRAND TOTAL	80,880

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	Bachelor Enlisted Quarters	22,960 SF	1,670	4-85	9-86
	TOTAL		1,670		

9. Future Projects:

a. Included in following program (FY 88). None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provide general clinical and hospitalization services primarily for active duty Navy and Marine Corps personnel, and active duty members of other Federal Uniformed Services. Participate as an integral element of the Naval and Tri-Service Regional Health Care Systems.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	

5. PROGRAM ELEMENT 0 77 96 N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-721	8. PROJECT COST ($000) 1,670

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	22,960	53.00	1,220
SUPPORTING FACILITIES.	-	-	-	300
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(70)
UTILITIES.	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	1,520
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,600
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	90
TOTAL REQUEST.	-	-	-	1,690
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,670
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame building, masonry walls, pile foundation, concrete floors, built-up roof, fire protection system, air conditioning, utilities; 28 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment.
Grade mix: 96 E1-E4, 8 E5-E6. Total: 104.

11. REQUIREMENT: 255 PN. ADEQUATE: 19 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 104 enlisted personnel.
REQUIREMENT: Adequate housing for 255 enlisted personnel.
CURRENT SITUATION: Existing adequate berthing capacity of 19 spaces, including accommodations found by 19 personnel in the local community, is insufficient. A new construction deficiency of 236 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently unprogrammed. All projected space requirements are revalidated annually by a new survey, which updates planning projections.
IMPACT IF NOT PROVIDED: Adequate living quarters for bachelor enlisted personnel on base will continue to be unavailable, resulting in an increased response time for those personnel who must live off-base and respond to recalls during periods of mass casualty or emergency situations.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL HOSPITAL, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	5. PROJECT NUMBER P-721

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 4-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No_X_
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (65)
(b) All Other Design Costs......................... (5)
(c) Total.. 70
(d) Contract....................................... (0)
(e) In-house....................................... (70)

(4) Construction start........................ 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, PENSACOLA, FLORIDA	4. COMMAND NAVAL MEDICAL COMMAND	5. AREA CONSTR. COST INDEX 0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	214	405	300	0	0	0	1300	3944	23258	29421
b. END FY 19 91	258	420	306	0	0	0	1560	4732	25503	32859

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(78)
b. INVENTORY TOTAL AS OF 30 SEP 1985	20,880
c. AUTHORIZATION NOT YET IN INVENTORY	7,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	690
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	28,820

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
842.10	Fire Proetection System Imprs	LS	690	8-85	5-86
	TOTAL		690		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provide general clinical hospitalization services for active duty Navy and Marine Corps personnel and active duty members of other Federal Uniformed Services. Subject to the availability of space and facilities and the capabilities of the medical and dental staff, provide general clinical and hospitalization services for other authorized persons as prescribed by Title 10, US Code and other current directives to the extent that such effort does not interfere with the provision of care to active duty members. Provide clinical specialty and sub-specialty services as directed. Provide coordinated clinic health care services for all medical treatment facilities and activities assigned and exercise local coordination of other functions as directed. Participate as an integral element of the Naval and Tri-Service Regional Health Care Systems. Cooperate with military and civil authorities in matters pertaining to public health, local disasters, and other emergencies.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

NAVAL OCEANOGRAPHY COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL OCEANOGRAPHY COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NAVOBSER Washington, DC	024	Emergency Power Building	$ 980	$ 980	766
		Subtotal	980	980	
TOTAL - NAVAL OCEANOGRAPHY COMMAND			980	980	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL OBSERVATORY, WASHINGTON, DISTRICT OF COLUMBIA	4. COMMAND NAVAL OCEANOGRAPHY COMMAND	5. AREA CONSTR. COST INDEX 1.03

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	6	0	118	0	0	0	0	0	0	124
b. END FY 19 91	7	0	118	0	0	0	0	0	0	125

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(365)
b. INVENTORY TOTAL AS OF 30 SEP 1985	5,470
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	980
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,000
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	8,450

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811.59	Emergency Power Building	LS	980	8-85	4-86
	TOTAL		980		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

310.11	Astronomy & Astrophysics Lab	LS	2,000

10. Mission or Major Functions: Make observations of natural and artificial celestial bodies, provide accurate time to afford Naval vessels and aircraft a means of safe navigation, and advance the general fields of navigation and astronomy.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

NAVAL TELECOMMUNICATIONS COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL TELECOMMUNICATIONS COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NAVCAMSWESTPAC Honolulu, HI	127	Antenna Safety Improvements	$ 1,080	$ 1,080	439
		Subtotal	1,080	1,080	
NCS Stockton, CA	065	Fire Protection Pipeline	2,750	2,750	442
		Subtotal	2,750	2,750	
TOTAL - NAVAL TELECOMMUNICATIONS COMMAND			3,830	3,830	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION AREA MASTER STATION EASTERN PACIFIC, HONOLULU, HAWAII	4. COMMAND NAVAL TELECOMMUNICATIONS COMMAND	5. AREA CONSTR. COST INDEX 1.27

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	49	829	261	0	0	0	28	168	0	133
b. END FY 19 91	53	967	280	0	0	0	28	168	0	1496

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,422)
b. INVENTORY TOTAL AS OF 30 SEP 1985	49,170
c. AUTHORIZATION NOT YET IN INVENTORY	6,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,080
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	15,800
g. REMAINING DEFICIENCY	14,000
h. GRAND TOTAL	90,150

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
132.10	Antenna Safety Imprs	LS	1,080	6-85	6-86
	TOTAL		1,080		

9. Future Projects:

a. Included in following program (FY 88):

131.45	Terminal Equip Bldg Shielding	LS	3,800
			3,800

b. Major planned next three years:

131.15	Message Center	LS	5,500
131.15	Message Center	LS	5,500
131.50	Transmitter Building	LS	2,000
171.10	Academic Instruction Bldg	9,850 SF	2,800

10. Mission or Major Functions: Provide Fleet broadcasts, tactical radio and satellite communications for command and control of operating forces. Operate and maintain portions of the Defense Communications System assigned to the Navy in Hawaii. Operate telecommunications centers to serve Navy and Department of Defense users in Hawaii.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL COMMUNICATION AREA MASTER STATION, EASTERN PACIFIC, HONOLULU, HAWAII	4. PROJECT TITLE ANTENNA SAFETY IMPROVEMENTS

5. PROGRAM ELEMENT 3 31 96 N	6. CATEGORY CODE 132.10	7. PROJECT NUMBER P-127	8. PROJECT COST ($000) 1,080

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ANTENNA SAFETY IMPROVEMENTS.	LS	-	-	990
HOIST-WAY ENCLOSURE AND DOOR	LS	-	-	(660)
GUARDRAILS & PLATFORM MODIFICATION	LS	-	-	(330)
SUBTOTAL	-	-	-	990
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,040
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	60
TOTAL REQUEST.	-	-	-	1,100
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,080
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct railings at platform perimeters and ladder openings; fully enclosed elevator hoist-way, provide inter-locking doors at each tower platform level.

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11. REQUIREMENT: As Required.

PROJECT: Provides safety improvements on 1,500-foot very low frequency (VLF) towers at the Radio Transmitting Facility, Lualualei.

REQUIREMENT: Adequate safety features including hoist-way enclosures, guardrails, and platform modification for the VLF towers to be in compliance with OSH standards.

CURRENT SITUATION: Two 1,500-foot VLF antenna towers are part of the Radio Transmitting Facility located in Lualualei Valley, Oahu. Access to the antenna tower is provided by a radio-controlled personnel elevator and by a series of ladders connecting the various platform levels. These platforms serve as staging points for personnel while performing maintenance and repair work. Presently, with the exception of the platform at the top of the tower, all other platforms are without protective railings along their perimeters, the ladder openings, and the elevator hoist-ways. Without these safety provisions, accidents could happen that may result in serious injury to personnel.

IMPACT IF NOT PROVIDED: Personnel will continue to be subject to unsafe working conditions with the risk of serious injury or death. Activity will continue to be in violation of OSH standards.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION AREA MASTER STATION, EASTERN PACIFIC, HONOLULU, HAWAII		
4. PROJECT TITLE ANTENNA SAFETY IMPROVEMENTS		5. PROJECT NUMBER P-127

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................6-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete..........................6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes_____ No X
- (b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(60)
- (b) All Other Design Costs.........................(25)
- (c) Total.. 85
- (d) Contract.......................................(75)
- (e) In-house.......................................(10)

(4) Construction start........................ 1-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL COMMUNICATION STATION, STOCKTON, CALIFORNIA	NAVAL TELECOMMUNICATIONS COMMAND	1.15

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	14	229	295	0	0	0	0	0	0	538
b. END FY 19 91	14	209	313	0	0	0	0	0	0	536

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	2,788
b. INVENTORY TOTAL AS OF 30 SEP 1985	51,600
c. AUTHORIZATION NOT YET IN INVENTORY	2,080
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,750
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,100
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	57,530

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
843.10	Fire Protection Pipline	LS	2,750	9-84	4-86
	TOTAL		2,750		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

441.10	Energy Improvements	LS	1,100

10. Mission or Major Functions: Provide area message handling, transmitter and receiver facilities for high frequency radio broadcasting, point-to-point and ship-to-shore communications and satellite communications.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, STOCKTON, CALIFORNIA	4. PROJECT TITLE FIRE PROTECTION PIPELINE

5. PROGRAM ELEMENT 3 31 96 N	6. CATEGORY CODE 843.10	7. PROJECT NUMBER P-065	8. PROJECT COST ($000) 2,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE PROTECTION PIPELINE.	LS	–	–	2,520
SUBTOTAL	–	–	–	2,520
CONTINGENCY (5%)	–	–	–	130
TOTAL CONTRACT COST.	–	–	–	2,650
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	–	–	–	150
TOTAL REQUEST.	–	–	–	2,800
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	–	–	–	2,750
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	–	–	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Excavation for and installation of new pipe, gate valves and fire hydrants; removal of some portions of the existing firewater distribution system.

11. REQUIREMENT: As Required.

PROJECT: Constructs fire protection pipeline including necessary valves and hydrants.

REQUIREMENT: Adequate fire protection for 151 structures on Rough and Ready Island, including 47 warehouses, 40 shop, administration and communications buildings, and 43 family housing units.

CURRENT SITUATION: The present system has reached the end of its economic life, is unreliable and very costly to maintain. System spare parts are no longer available for many of the accessories and must be fabricated. Many of the valves and hydrants leak and are inoperable. The system sustained 26 failures in one year, an incidence rate expected to increase with the progressive deterioration of the system.

IMPACT IF NOT PROVIDED: The increasing incidence of failure in an unreliable system could result in the loss of facilities, some containing stored materials and equipment valued in excess of $200 million. Personnel support facilities, administrative spaces, bachelor personnel quarters, and family housing are also served by this system. Financial loss and personnel casualties during any fire would be multiplied and firefighting efforts hindered if there were a failure in the existing system.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, STOCKTON, CALIFORNIA		
4. PROJECT TITLE FIRE PROTECTION PIPELINE		5. PROJECT NUMBER P-065

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 9-84
(b) Percent Complete as of January 1986........... 60
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 4-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(100)
(b) All Other Design Costs..........................(70)
(c) Total... 170
(d) Contract..(160)
(e) In-house..(10)

(4) Construction start........................ 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

NAVAL SECURITY GROUP COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL SECURITY GROUP COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NSGA Adak, AK	057	Ocean Surveillance Building	$ 13,400	$ 13,400	446
	054	Water Distribution System Improvements	1,200	1,200	448
		Subtotal	14,600	14,600	
NSGD San Diego, CA	181	Classified Materials Issuing Office Addition	1,570	1,570	451
		Subtotal	1,570	1,570	
TOTAL - NAVAL SECURITY GROUP COMMAND			16,170	16,170	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA	4. COMMAND NAVAL SECURITY GROUP COMMAND	5. AREA CONSTR. COST INDEX 3.88

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	24	577	12	0	0	0	0	0	0	613
b. END FY 19 91	22	611	12	0	0	0	0	0	0	645

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,820)
b. INVENTORY TOTAL AS OF 30 SEP 1985	47,260
c. AUTHORIZATION NOT YET IN INVENTORY	1,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,850
f. PLANNED IN NEXT THREE PROGRAM YEARS	17,100
g. REMAINING DEFICIENCY	22,000
h. GRAND TOTAL	105,110

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.80	Ocean Surveillance Bldg	26,000 SF	13,400	9-85	7-86
842.10	Water Distr Sys Imprs	LS	1,200	9-85	4-86
	TOTAL		14,600		

9. **Future Projects:**

a. Included in following program (FY 88):

730.10	Fire Sta & Transp Bldg	11,490 SF	2,850
			2,850

b. Major planned next three years:

722.10	Mess Hall	9,770 SF	2,400
730.20	Security & Armory Fac	LS	700
730.83	Chapel	LS	3,000
851.10	Roads	LS	9,000

10. **Mission or Major Functions:** This activity is part of the worldwide telecommunications system providing tactical ship-to-shore and point-to-point communications for the Navy Defense Communications Systems and Naval Security Group operations.

11. **Outstanding pollution and safety deficiencies:**

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA	4. PROJECT TITLE OCEAN SURVEILLANCE BUILDING

5. PROGRAM ELEMENT N F I P 3 41 14 N	6. CATEGORY CODE 143.80	7. PROJECT NUMBER P-057	8. PROJECT COST ($000) 13,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OCEAN SURVEILLANCE BUILDING.	SF	26,000	-	10,160
BUILDING	SF	26,000	333.00	(8,660)
RADOME BASES	LS	-	-	(1,200)
BUILT-IN EQUIPMENT	LS	-	-	(300)
SUPPORTING FACILITIES.	-	-	-	1,900
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(310)
UTILITIES.	LS	-	-	(1,050)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(490)
REHABILITATE TEMPORARY FACILITIES.	LS	-	-	(50)
SUBTOTAL	-	-	-	12,060
CONTINGENCY (5%)	-	-	-	600
TOTAL CONTRACT COST.	-	-	-	12,660
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	700
TOTAL REQUEST.	-	-	-	13,360
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	13,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(300)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete frame building, concrete foundation and floor, precast concrete tilt-up wall panels bonded and grounded for shielding, computer flooring, air conditioning, mess facilities, water and CO_2 and halon fire protection systems, special security measure fire alarms, motion detectors, sound cover system, red/black grounding system; document destroyer room; three Radome bases; standby generator and uninterruptible power system; utilities.

11. REQUIREMENT: 26,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 15,600 SF.

PROJECT: Provides building with computer, administration, messing, operations, and mechanical spaces, three Radome bases with connecting power and control cables, and a fibre optic communications line to the existing operations building.

REQUIREMENT: Adequate facility in an area safe from environmental and intrusion hazards for continuation of the Classic Wizard mission.

CURRENT SITUATION: The existing facility is located in an area exposed to severe storms and high waves, with no space to accommodate the planned equipment installation to support the Classic Wizard mission. The power and communication lines between the main compound and Classic Wizard cross a lagoon inlet on a bridge. In 1980, a storm created 25-foot waves, severely damaging both the power and communication lines between Classic Wizard and the main compound. The new power and communications lines

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA		
4. PROJECT TITLE OCEAN SURVEILLANCE BUILDING		5. PROJECT NUMBER P-057

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

installed in 1981 pass over the bridge, also rebuilt after sustaining severe damage during the 1980 storm. The uninterruptible power supply building was severely damaged in this storm, and like the bridge, is susceptible to severe damage in any future storm.

IMPACT IF NOT PROVIDED: Building space will not be available for the planned equipment installation. Facility will continue to be exposed to storm damage with possible loss of mission capabilities.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 9-85
- (b) Percent Complete as of January 1986............ 45
- (c) Percent Complete as of October 1986............ 100
- (d) Date Design Complete............................. 7-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications......... (375)
- (b) All Other Design Costs.......................... (310)
- (c) Total.. 685
- (d) Contract... (650)
- (e) In-house... (35)

(4) Construction start.......................... 1-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Uniterruptible Power System	OPN(BA-3)	1986	300

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY ADAK, ALASKA	4. PROJECT TITLE WATER DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT N F I P 3 10 11 N	6. CATEGORY CODE 842.10	7. PROJECT NUMBER P-054	8. PROJECT COST ($000) 1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATER DISTRIBUTION SYSTEM IMPROVEMENTS . . .	LS	-	-	1,080
WATER LINES AND VALVES	LS	-	-	(1,020)
FIRE HYDRANTS.	LS	-	-	(40)
REHABILITATE TEMPORARY FACILITIES.	LS	-	-	(20)
SUBTOTAL	-	-	-	1,080
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,130
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,200
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

New and replacement of deteriorated water supply lines including trenching, valves, and backfill; new dry valve type fire hydrants.

11. REQUIREMENT: As Required.

PROJECT: Increases potable water supply and fire protection for the main Naval Security Group Activity (NSGA) Complex.

REQUIREMENT: Adequate potable water supply for the main NSGA complex to insure proper pressure and sufficient volume for the fire protection system and an ample water source for the central steam heating plant.

CURRENT SITUATION: The existing water lines, installed in 1952, are badly deteriorated because of age. One section of the system has been secured because of excessive water loss. This affects the volume and pressure of water supply to the fire hydrants and the potable water systems in berthing and dining facilities. The main communication building adjacent to the NSGA complex has no fire protection system. A large section of the water supply line from the storage tank was isolated because of deterioration and numerous breaks, limiting the water available for consumption at NSGA.

IMPACT IF NOT PROVIDED: Breaks in the line will continue to occur, further reducing the supply at the main NSGA complex. An inadequate fire protection system will continue to exist. All major breaks in the water supply line will severely affect basic habitibility, NSGA operations, productivity, and morale.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA		
4. PROJECT TITLE WATER DISTRIBUTION SYSTEM IMPROVEMENTS		5. PROJECT NUMBER P-054

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 9-85
- (b) Percent Complete as of January 1986.......... 45
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 4-86

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(100)
- (b) All Other Design Costs........................(70)
- (c) Total.. 170
- (d) Contract.......................................(160)
- (e) In-house.......................................(10)

(4) Construction start........................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP DETACHMENT, SAN DIEGO, CALIFORNIA	4. COMMAND NAVAL SECURITY GROUP COMMAND	5. AREA CONSTR. COST INDEX 1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	17	234	23	0	0	0	0	0	0	274
b. END FY 19 91	16	242	26	0	0	0	0	0	0	284

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NS
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,570
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	1,570

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.35	Classified Materials Issuing Office Addn	14,700 SF	1,570	9-85	9-86
	TOTAL		1,570		

9. Future Projects:
   a. Included in following program (FY 88): None.

   b. Major planned next three years: None.

10. Mission or Major Functions: Provide courier service, classified material storage, and technical communications service to fleet units in the San Diego area.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL SECURITY GROUP DETACHMENT,
SAN DIEGO, CALIFORNIA

4. PROJECT TITLE
CLASSIFIED MATERIALS
ISSUING OFFICE ADDITION

5. PROGRAM ELEMENT
N F I P
3 11 96 N

6. CATEGORY CODE
143.35

7. PROJECT NUMBER
P-181

8. PROJECT COST ($000)
1,570

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CLASSIFIED MATERIALS ISSUING OFFICE ADDITION	SF	14,700	70.00	1,030
SUPPORTING FACILITIES.	-	-	-	420
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(140)
UTILITIES, PAVING & SITE IMPROVEMENT . . .	LS	-	-	(280)
SUBTOTAL	-	-	-	1,450
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,520
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,600
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,570
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building addition, pile foundation and engineered fill, concrete floor, built-up roof, classified materials vault room, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 21,840 SF. ADEQUATE: 7,140 SF. SUBSTANDARD: 6,190 SF.

PROJECT: Constructs addition to the classified materials issuing office (CMIO) to house the CMIO vault, Technical Guidance Unit, Armed Forces Courier Service, and Fleet Electronics Support Unit.

REQUIREMENT: Adequate facilities consolidating in a single structure several service functions requiring secured spaces, all relating to cryptology and handling of classified materials. Each of the above functions have expanded or requires relocation because of inadequate facilities, and a need to be closer to the customers they serve, many of whom are at the Naval Station aboard ships.

CURRENT SITUATION: The Fleet Electronics Support Unit installs cryptological and special communications equipment on ships. It is located at the Naval Station in a condemned building, inadequate in size and configuration. The Technical Guidance Unit provides advice, assistance, and training pertaining to equipment operations and maintenance, and is located at Imperial Beach, 10 miles from the personnel at the naval station who need the assistance. Present space is too small for the personnel, manuals, and documents concerning the maintenance and operation of equipment, and for fleet personnel who come to the building for

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP DETACHMENT, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE CLASSIFIED MATERIALS ISSUING OFFICE ADDITION		5. PROJECT NUMBER P-181

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
assistance. The Armed Forces Courier Service works jointly with the CMIO operations, but is located at the naval supply center several miles from the CMIO, requiring double handling of classified materials. The CMIO is at the naval station in a building that is generally adequate, but too small to house all the functions required in the San Diego area. The CMIO is the facility that will be expanded for consolidation of operations.
IMPACT IF NOT PROVIDED: Activities and service functions will continue to be limited in responding to customer needs because of inadequate space in substandard facilities and distances from ships and activities they serve.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 9-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.............................. 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(80)
(b) All Other Design Costs..............................(90)
(c) Total... 170
(d) Contract...(155)
(e) In-house...(15)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

NAVAL SUPPLY SYSTEMS COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL SUPPLY SYSTEMS COMMAND INDEX

(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NSC Bremerton, WA	062	Oil Spill Prevention	$ 500	$ 500	756
		Subtotal	500	500	
NSC Jacksonville, FL	011	Oil Spill Prevention	830	830	752
		Subtotal	830	830	
SPCC Mechanicsburg, PA	097	Facility Energy Improvements	1,670	1,670	745
		Subtotal	1,670	1,670	
NSC Norfolk, VA	440	Hazardous Materials Storage and Handling Facility Addition	3,140	3,140	458
		Subtotal	3,140	3,140	
NSC Oakland, CA	084	General Warehouse Addition and Modernization	2,950	2,950	461
	019	Fire Protection System	540	540	764
		Subtotal	3,490	3,490	
NSC Pearl Harbor, HI	092	Cold Storage Facility	11,820	11,820	465
		Subtotal	11,820	11,820	
NSC San Diego, CA	058	Personal Property Office	1,370	1,370	468
	069	Railroad Track Relocation	2,450	2,450	470
		Subtotal	3,820	3,820	
TOTAL - NAVAL SUPPLY SYSTEMS COMMAND			25,270	25,270	

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, BREMERTON, WASHINGTON	4. COMMAND NAVAL SUPPLY SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.15

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	15	6	840	0	0	10	0	0	0	871
b. END FY 19 91	18	5	1200	0	0	10	0	0	0	1233

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(263)
b. INVENTORY TOTAL AS OF 30 SEP 1985	24,180
c. AUTHORIZATION NOT YET IN INVENTORY	7,880
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	430
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,000
g. REMAINING DEFICIENCY	1,000
h. GRAND TOTAL	37,990

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.16	Oil Spill Prevention	LS	500	7-85	9-86
	TOTAL		500		

9. Future Projects:

a. Included in following program (FY 88):

872.10	Security Fencing	LS	430
			430

b. Major planned next three years:

441.10	Bulk Storage Mods	LS	4,000

10. Mission or Major Functions: Provides a wide variety of supply and support services to numerous Navy activities in the geographic area, active and reserve fleet units, Military Sealift Command and Coast Guard ships, and selected items for the Pacific area Fleet Ballistic Missile Program. Direct supply point for the Defense Supply Agency and Defense Fuel Support Point for bulk petroleum products. The center is a storage point for Navy Prepositioned War Reserve Material Stock.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, JACKSONVILLE, FLORIDA	4. COMMAND NAVAL SUPPLY SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 0.85

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	18	2	554	0	0	20	0	0	0	594
b. END FY 19 91	19	2	514	0	0	20	0	0	0	555

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (297)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	22,260
c. AUTHORIZATION NOT YET IN INVENTORY	1,560
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	830
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,650
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	33,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411.50	Oil Spill Prevention	LS	830	6-85	4-86
	TOTAL		830		

9. Future Projects:

a. Included in following program (FY 88):

441.10	Bulk Storage Facility	51,000 SF	4,300
			4,300

b. Major planned next three years:

431.10	Cold Storage Facility Addn	LS	2,600
441.30	Hazard & Flammable Stg Fac	LS	1,200
610.10	Logistics Opns Ctr Impr	LS	850

10. Mission or Major Functions: Provides a wide variety of supply and support services to Atlantic Fleet units and Navy shore activities in the geographic area. The center is a Defense Fuel Support Point of the Defense Logistics Agency for bulk petroleum products for CONUS and overseas Navy activities. Storage point for Navy Prepositioned War Reserve Material Stock.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	1,200

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVY SHIPS PARTS CONTROL CENTER,
MECHANICSBURG, PENNSYLVANIA

4. COMMAND
NAVAL SUPPLY SYSTEMS COMMAND

5. AREA CONSTR COST INDEX
0.91

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	122	34	7734	7	0	0	0	0	0	7897
b. END FY 19 91	129	34	7440	7	0	0	0	0	0	7610

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(856)
b. INVENTORY TOTAL AS OF 30 SEP 1985	73,530
c. AUTHORIZATION NOT YET IN INVENTORY	16,270
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,670
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,290
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,050
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	97,810

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.10	Facility Energy Improvements	LS	1,670	2-84	9-85
	TOTAL		1,670		

9. **Future Projects:**

a. Included in following program (FY 88):

610.10	Fleet Supp Management Office 60,400 SF		1,900
740.26	Cafeteria Modernization	LS	390
			2,290

b. Major planned next three years:

610.10	Fleet Supp Management Office	LS	2,850
610.10	Logistics Ctr Opns Imprs	LS	1,200

10. **Mission or Major Functions:** Mission has evolved from a central ships and weapon systems parts storage and issue point to an increased and expanded role as a major technical and logistical data processing facility, providing automated broad-based life-cycle inventory, material management, and ADP support for Navy ships and weapons systems. ADP function enhances fleet readiness through systems which efficiently manage advanced planning, purchasing, positioning, and movement of vital materials.

11. **Outstanding pollution and safety deficiencies:** ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SUPPLY CENTER, NORFOLK, VIRGINIA	NAVAL SUPPLY SYSTEMS COMMAND	0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	43	44	3402	0	0	62	0	0	301	3852
b. END FY 19 91	62	35	3261	0	0	62	0	0	289	3709

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,295)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	77,740
c. AUTHORIZATION NOT YET IN INVENTORY	10,170
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,140
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	22,750
g. REMAINING DEFICIENCY	1,120
h. GRAND TOTAL	135,220

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.30	Haz Mtls Stg & Hndlg Fac Addn	25,000 SF	3,140	7-85	7-86
	TOTAL		3,140		

9. Future Projects:

a. Included in following program (FY 88):

441.20	Controlled Humidity Warehouse	LS	8,300
441.20	POL Drum Storage Facility	LS	3,800
441.35	Lumber Storage Sheds	LS	1,300
831.10	Sewerage System	LS	3,100
843.10	Fire Protection Pipeline	LS	3,500
			20,300

10. Mission or Major Functions: Supply services for activities in the geographic area, overseas activities in the Atlantic and Mediterranean areas, and active fleet and reserve units including the Military Sealift Command and Coast Guard. Supply support for inert nuclear materials and services are provided Eastern Continental Navy and Marine Corps units and the Atlantic Fleet. Other services include operating Department of Defense common-user ocean terminal and the Norfolk Air Terminal of the supply center, and serving as defense fuel support point for the Defense Logistics Agency bulk petroleum products, and as point for Navy Prepositioned War Reserve Material Stock.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	400

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, NORFOLK, VIRGINIA	4. PROJECT TITLE HAZARDOUS MATERIALS STORAGE & HANDLING FACILITY ADDITION

5. PROGRAM ELEMENT 7 28 96 N	6. CATEGORY CODE 441.30	7. PROJECT NUMBER P-440	8. PROJECT COST ($000) 3,140

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HAZARDOUS MATERIALS STG & HANDLING FAC ADDN.	SF	25,000	-	2,400
BUILDING ADDITION.	SF	25,000	70.00	(1,750)
BUILDING MODERNIZATION	LS	-	-	(200)
RETRIEVAL EQUIPMENT WITH RACKS	LS	-	-	(450)
SUPPORTING FACILITIES.	-	-	-	450
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(200)
UTILITIES.	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	2,850
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,150
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,140
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay steel frame building addition, 25 foot stacking height, pile foundation, concrete floor, masonry walls, materials handling equipment for automated storage and retrieval system, pallet racks; fire protection system, mechanical ventilation, utilities; loading dock shelter; building rehabilitation.

11. REQUIREMENT: 84,090 SF. ADEQUATE: 59,090 SF. SUBSTANDARD: 0 SF.

PROJECT: High-rise addition to flammable storage warehouse, including fire protection and provision for automated storage and retrieval system.

REQUIREMENT: Additional hazardous and flammable storage capacity in close proximity to supply compound being developed for this special category of material. Further consolidation from dispersed, outlying storage locations. Automated warehousing operation using high-stacking height equipment for flammable and combustible items. The automated capability in a new high-rise facility will function efficiently through incorporation at minimum cost into the existing loading dock and warehouse complex at an optimum location close to fleet users on the waterfront.

CURRENT SITUATION: Improvements for hazardous materials storage were started in 1982, with construction of a gas cylinder storage shed and modernization of an adequate, low-rise, storage building. Existing storage facilities still include dispersed and inadequate operations with risk to personnel safety.

IMPACT IF NOT PROVIDED: Continue present operations in violation of safety standards, with risk to personnel and high-value commodities.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, NORFOLK, VIRGINIA		
4. PROJECT TITLE HAZARDOUS MATERIALS STORAGE & HANDLING FACILITY ADDITION		5. PROJECT NUMBER P-440

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 7-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (100)
(b) All Other Design Costs.......................... (30)
(c) Total.. 130
(d) Contract.. (100)
(e) In-house.. (30)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, OAKLAND, CALIFORNIA	4. COMMAND NAVAL SUPPLY SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.13

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	34	29	1817	0	0	3	0	0	275	2,158
b. END FY 1991	49	23	1669	0	0	3	0	0	253	1,997

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,132)	
b. INVENTORY TOTAL AS OF 30 SEP 1985		80,680
c. AUTHORIZATION NOT YET IN INVENTORY		17,400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,490
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		18,710
g. REMAINING DEFICIENCY		25,080
h. GRAND TOTAL		145,360

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.10	General Warehouse Addn & Modn	140,200 SF	2,950	6-84	6-86
842.10	Fire Protection System	LS	540	12-85	10-86
	TOTAL		3,490		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

125.10	Fuel Pier Pipelines	LS	1,450
441.10	Steel Storage Warehouse	LS	8,000
610.10	Logistics Ops Center Impr	LS	5,000

10. Mission or Major Functions: Supply services for west coast activities, the Pacific and Indian Ocean areas, and fleet units including the Military Sealift Command. Supply support for inert ordnance materials. Administer bulk petroleum contracts in the San Francisco Bay Area and serves as central point for Navy sponsored tankers loading or discharging in the area. Provides deep water berthing for active fleet ships.

11. Outstanding pollution and safety deficiencies: ($000)

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health (OSH):	3,700

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, OAKLAND, CALIFORNIA	4. PROJECT TITLE GENERAL WAREHOUSE ADDITION AND MODERNIZATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
7 28 96 N	441.10	P-084	2,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GENERAL WAREHOUSE ADDITION & MODERNIZATION .	SF	140,200	-	1,900
BUILDING ADDITION.	SF	20,200	53.00	(1,070)
BUILDING ALTERATIONS	SF	120,000	7.00	(830)
SUPPORTING FACILITIES.	-	-	-	780
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(310)
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(420)
SUBTOTAL	-	-	-	2,680
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,820
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,970
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(8,900)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Long-span steel framing building addition, raised concrete floor on pile foundation, masonry walls, metal roof; fire protection system, building alterations and renovations; concrete apron; utilities.

11. REQUIREMENT: 317,040 SF. ADEQUATE: 176,840 SF. SUBSTANDARD: 120,000 SF.

PROJECT: Modernizes an existing, sound warehouse facility for installation of an automated materials handling system for high-rise storage, and provides an addition to the warehouse for receiving and shipping functions.

REQUIREMENT: Consolidation and automation of warehouse operations to increase the efficiency and control of receiving, storage, and shipping procedures, provide both economic savings and increased service to the fleet, and reduce the opportunity for fraud, waste, and abuse. This project is necessary to provide a physically and logically integrated facility composed of two existing buildings. One building contains a modern automated high-rise storage for binnable and rackable materials. The adjacent building is an ideal location for an automated system for storage of fast-moving bulk materials to be installed with this project which also includes the addition for mechanized receipt and shipping to support both buildings. Operations will be controlled by existing computer equipment.

CURRENT SITUATION: Present outdated material handling procedures involve four distinct and physically separate operations: receiving in one building; storing at one of ten low-density warehouses; packing at another

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, OAKLAND, CALIFORNIA		
4. PROJECT TITLE GENERAL WAREHOUSE ADDITION AND MODERNIZATION		5. PROJECT NUMBER P-084

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

building; and shipping at one of three other buildings. The material may be moved a total of twelve times by forklift and three times by transport vehicle. Record keeping is done by hand for each separate operation.

IMPACT IF NOT PROVIDED: Benefits resulting from automation, savings, reduced response time, and increased reliability, will not be achieved.

ADDITIONAL: Significant savings will accrue in terms of reduced personnel requirements, maintenance, transportation, energy, shelf life control and inventory adjustments. An economic analysis has been prepared for this project and indicates a payback period of 7.5 years.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 6-84
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete............................ 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ____ No X
- (b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(145)
- (b) All Other Design Costs...........................(110)
- (c) Total.. 255
- (d) Contract...(240)
- (e) In-house...(15)

(4) Construction start.......................... 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations:

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUPPLY CENTER, OAKLAND, CALIFORNIA

4. PROJECT TITLE GENERAL WAREHOUSE ADDITION AND MODERNIZATION	5. PROJECT NUMBER P-084

12. SUPPLEMENTAL DATA: (Continued)

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Automated Materials Handling System, High-Rise Storage, Conveyor, Work Stations	OPN-BA6	1988	8,900

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, PEARL HARBOR, HAWAII	4. COMMAND NAVAL SUPPLY SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.27

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	18	17	693	0	0	35	0	0	64	827
b. END FY 19 91	26	13	666	0	0	35	0	0	62	802

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(838)
b. INVENTORY TOTAL AS OF 30 SEP 1985	93,090
c. AUTHORIZATION NOT YET IN INVENTORY	6,680
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,820
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	24,430
g. REMAINING DEFICIENCY	28,200
h. GRAND TOTAL	171,020

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
431.10	Cold Storage Facility	49,260 SF	11,820	6-85	6-86
	TOTAL		11,820		

9. Future Projects:

a. Included in following program (FY 88):

125.10	Oil Spill Prevention	LS	1,400
441.10	Warehouse Fire Protection	LS	5,400
			6,800

b. Major planned next three years:

441.10	Warehouse Fire Protection	LS	2,500
441.10	Receiving Ops Facility	LS	8,000
441.30	Hazardous & Flammable Warehouse	LS	6,100

10. Mission or Major Functions: Provides a wide variety of supply and support services to Navy activities in the geographic area and provides supply, POL, and support services to Pacific Fleet units.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	6,300
c. Occupational safety and health (OSH):	6,100

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, PEARL HARBOR, HAWAII	4. PROJECT TITLE COLD STORAGE FACILITY

5. PROGRAM ELEMENT 7 28 96 N	6. CATEGORY CODE 431.10	7. PROJECT NUMBER P-092	8. PROJECT COST ($000) 11,820

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COLD STORAGE FACILITY.	SF	49,260	-	6,140
BUILDING	SF	49,260	123.00	(6,060)
TECHNICAL OPERATING MANUALS.	LS	-	-	(80)
SUPPORTING FACILITIES.	-	-	-	4,730
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(3,020)
UTILITIES.	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(700)
DEMOLITION	LS	-	-	(860)
SUBTOTAL	-	-	-	10,870
CONTINGENCY (5%)	-	-	-	540
TOTAL CONTRACT COST.	-	-	-	11,410
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	631
TOTAL REQUEST.	-	-	-	12,041
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	11,820
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel frame building, pile foundation, concrete floor, insulated metal panel walls, built-up roof, interior stacking height 27 feet, fire protection system, utilities; demolition of two buildings.

11. REQUIREMENT: 129,290 SF.(8') ADEQUATE: 0 SF.(8') SUBSTANDARD: 182,320 SF.(8')

PROJECT: Constructs a cold storage and controlled humidity warehouse.

REQUIREMENT: Cold storage space freeze, chill and dehumidified, equivalent to 129,290 SF at 8 foot stacking height, determined to be 49,260 SF at 27 foot stacking height. Adequate refrigerated storage capability to support all Navy and Marine Corps units in Hawaii and the Central Pacific Area, and all fleet units passing through. Refrigerated storage is also required for the Pacific Fleet Mobile Logistics Support Force contingency load. Refrigerated storage capacity is not available within the private sector. Dehumidified storage area is required for dry goods which are subject to moisture damage.

CURRENT SITUATION: The controlled humidity warehouse, located on the Pearl City Peninsula, is six miles from the cold storage warehouse in the main supply center complex. Both buildings are over 40 years old and in advanced stages of physical deterioration. The cold storage warehouse is four floors high and the only DOD refrigerated storage space of any significant size in Hawaii. The building's elevators are unreliable and paint, plaster and insulation are falling off the walls, ceilings and

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL SUPPLY CENTER, PEARL HARBOR, HAWAII

4. PROJECT TITLE
COLD STORAGE FACILITY

5. PROJECT NUMBER
P-092

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
piping. Electrical conduits throughout the building are no longer waterproof. Rooms on the upper two floors flood during heavy rains. Chill room walls and floors adjoining freeze rooms, freeze and ice over, causing significant structural damage. The room doors do not seal properly and are difficult and dangerous for personnel to open and close. Much of the original ammonia cooling system is still in use and frequently leaks dangerous coolant. Replacement parts for this obsolete system are no longer available. All defrosting is performed manually requiring four to six man-hours per day. The dehumidified warehouse is a wood frame structure with extensive termite and dry rot damage. The roof is failing structurally.
IMPACT IF NOT PROVIDED: Continued possibility of imminent cold storage facility failure with loss of perishable food supplies.
ADDITIONAL: An engineering analysis has shown that repairs to the existing facility is not a viable option because of numerous structure, mechanical, and configuration problems. Its low ceiling height prevents efficient stacking and floor space utilization.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 6-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(550)
(b) All Other Design Costs........................(135)
(c) Total..685
(d) Contract......................................(620)
(e) In-house......................................(65)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA	4. COMMAND NAVAL SUPPLY SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	35	4	1509	0	0	45	0	0	0	1593
b. END FY 19 91	37	5	1529	0	0	45	0	0	0	1616

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(873)	
b. INVENTORY TOTAL AS OF 30 SEP 1985		63,620
c. AUTHORIZATION NOT YET IN INVENTORY		11,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,820
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,650
f. PLANNED IN NEXT THREE PROGRAM YEARS		35,740
g. REMAINING DEFICIENCY		8,800
h. GRAND TOTAL		129,880

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	Personal Property Office	11,330 SF	1,370	7-85	5-86
860.10	Railroad Track Relocation	LS	2,450	1-85	4-86
	TOTAL		3,820		

9. Future Projects:

a. Included in following program (FY 88):

219.10	Maintenance Facility	LS	1,600
441.10	Warehouse Fire Protection	LS	2,400
441.10	Warehouse Fire Protection	LS	2,650
			6,650

b. Major planned next three years:

441.10	Steel Storage Warehouse	LS	6,700
441.30	Hazardous & Flammable Warehse	LS	5,400

10. Mission or Major Functions: Provides supply and support services to Navy and Marine Corps activities, active and reserve fleet units, and the Military Sealift Command. Performs Defense Supply Agency functions for overseas and CONUS fleet units and the Coast Guard. A marine terminal is operated and maintained for transshipment of Department of Defense ocean cargo. The center operates a petroleum laboratory and maintains and operates storage facilities and a connecting pipeline for bulk fuel in the San Pedrc area, NAS Lemoore, and at Point Loma.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	7,500

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE PERSONAL PROPERTY OFFICE

5. PROGRAM ELEMENT 7 28 96 N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-058	8. PROJECT COST ($000) 1,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PERSONAL PROPERTY OFFICE	SF	11,330	83.00	940
SUPPORTING FACILITIES	-	-	-	370
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(60)
UTILITIES.	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(90)
DEMOLITION	LS	-	-	(100)
SUBTOTAL	-	-	-	1,310
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,380
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,450
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,370
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, pile foundation, concrete floor, built-up roof over metal deck, fire protection system, mechanical ventilation, utilities; demolition of one building.

11. REQUIREMENT: 11,330 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides an administrative office at the Naval Station to house the Personal Property Department serving the San Diego area.

REQUIREMENT: Adequate facilities for administration of the personal property program for personnel entering and leaving the San Diego area. The facility must be conveniently located for personnel new to and unfamiliar with the San Diego area, and for personnel making final arrangements prior to departing the area. It is considered appropriate to accomplish needed construction at the most operationally effective location.

CURRENT SITUATION: The present personal property office is located at the Naval Supply Center Broadway complex, remote from other personnel support functions such as the Public Works Center Housing Office, Personnel Support Activity, Navy exchange, commissary, child care center, and other service functions. The currently occupied building is a converted storage facility scheduled for demolition as part of the Broadway redevelopment plan. No existing space is available for relocation of this function.

IMPACT IF NOT PROVIDED: The personal property operations will be relocated to other facilities, but the effectiveness will continue to be limited because of significant inconveniences imposed on military personnel.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE PERSONAL PROPERTY OFFICE		5. PROJECT NUMBER P-658

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 7-85
- (b) Percent Complete as of January 1986............ 35
- (c) Percent Complete as of October 1986............ 100
- (d) Date Design Complete............................ 5-86

(2) Basis:
- (a) Standard or Definitive Design: Yes__ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(80)
- (b) All Other Design Costs........................(60)
- (c) Total.. 140
- (d) Contract.....................................(135)
- (e) In-house.....................................(5)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA	4. PROJECT TITLE RAILROAD TRACK RELOCATION

5. PROGRAM ELEMENT 7 28 96 N	6. CATEGORY CODE 860.10	7. PROJECT NUMBER P-069	8. PROJECT COST ($000) 2,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RAILROAD TRACK RELOCATION.	LS	-	-	1,110
SUPPORTING FACILITIES.	-	-	-	1,150
UTILITIES.	LS	-	-	(170)
LOADING DOCKS.	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(80)
RAILROAD TRACKAGE REMOVAL.	LS	-	-	(90)
WORK BY AT&SF RAILROAD	LS	-	-	(650)
SUBTOTAL	-	-	-	2,260
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,370
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	130
TOTAL REQUEST.	-	-	-	2,500
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,450
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two railroad spurs connecting Atchison, Topeka and Santa Fe Railroad main to the warehouse area and to the Mole Pier; remove inadequate trackage and replace substandard track as necessary; construct two loading docks; utility protection and relocation.

11. REQUIREMENT: As Required.

PROJECT: Relocates railroad trackage within the Naval Station and the Naval Supply Center National City Annex, and provides two new spurs from the Atchison, Topeka and Santa Fe Railroad main line.

REQUIREMENT: Safe, reliable rail service to the National City Annex warehouses and the Naval Station waterfront is necessary to resupply materials and equipment for daily use, and for emergency or mobilization load-out of trucks and other heavy equipment which cannot be easily transported by truck. Rerouting of the railroad access is needed to serve the extensive new warehouse construction.

CURRENT SITUATION: Rail service to the center is provided by an old spur through the Naval Station. Major repairs are needed to render the system safe. An engineering report has identified numerous serious defects in the existing trackage. Such trackage should be removed from general usage until the defective sections have been repaired or replaced. The center continues to receive freight cars which must be individually walked across the station because of the condition of the tracks. A ramp of the proposed

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE RAILROAD TRACK RELOCATION		5. PROJECT NUMBER P-069

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
vehicular bridge to connect the east and west areas of the Naval Station will be sited on the rail spur and will stop rail access to the supply center.
IMPACT IF NOT PROVIDED: Continued inefficient operations using defective trackage. Major repairs necessary to render the system safe. The planned vehicular bridge for the Naval Station will cut-off all rail access to the supply center warehouses.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 1-85
(b) Percent Complete as of January 1986.......... 80
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 4-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(55)
(b) All Other Design Costs.........................(50)
(c) Total.. 105
(d) Contract.......................................(100)
(e) In-house.......................................(5)

(4) Construction start........................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

NAVAL AIR SYSTEMS COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL AIR SYSTEMS COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
PMRF Barking Sands, HI	016	Range Operations Center Addition	$ 2,360	$ 2,360	474
	766	Aircraft Maintenance Hangar and Support Facilities	5,900	5,900	477
		Subtotal	8,260	8,260	
NARF Cherry Point, NC	884	Aircraft Rework Facility	21,600	21,600	480
	940	Aircraft Engine Blade Rework Facility	15,600	15,600	483
		Subtotal	37,200	37,200	
NATC Patuxent River, MD	374	Landing System Test Facility	4,030	4,030	487
	400	Aircraft Test and Evaluation Facility	13,300	13,300	489
	369	Steam and Condensate Systems	2,450	2,450	744
	418	Municipal Sewer Connection	1,360	1,360	754
		Subtotal	21,140	21,140	
NARF Pensacola, FL	562	Aircraft Structures Repair Facility	8,050	8,050	492
		Subtotal	8,050	8,050	
PMTC Point Mugu, CA	036	Telemetry Facilities	590	590	764
		Subtotal	590	590	
TOTAL - NAVAL AIR SYSTEMS COMMAND			75,240	75,240	

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
PACIFIC MISSILE RANGE FACILITY,
BARKING SANDS, HAWAII

4. COMMAND
NAVAL AIR SYSTEMS COMMAND

5. AREA CONSTR. COST INDEX
1.27

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	16	114	0	0	0	0	6	68	0	204
b. END FY 19 91	20	112	0	0	0	0	6	68	0	206

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (2,384)
b. INVENTORY TOTAL AS OF 30 SEP 1985 85,870
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 8,260
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 14,600
g. REMAINING DEFICIENCY 30,750
h. GRAND TOTAL 139,480

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.15	Range Ops Center Addn	9,730 SF	2,360	11-83	2-86
211.05	Aircraft Maint Hgr & Supp Facs	37,360 SF	5,900	6-84	6-86
	TOTAL		8,260		

9. Future Projects:
a. Included in following program (FY 88): None.

b. Major planned next three years:

112.10	Taxiway and Apron Impr	80,100 SY	5,600
116.55	Ordnance Handling Pad	LS	9,000

10. Mission or Major Functions: Provide operational and base support for Fleet and other government agencies which use the Pacific Missile Test Range. Barking Sands provides runway and other air facilities for P-3 ASW forces, logistical aircraft, F-4 aircraft operated by the Hawaiian Air National Guard, and transient aircraft. There are ten helicopters and utility aircraft permanently assigned.

11. Outstanding pollution and safety deficiencies: ($000)
a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health (OSH): 0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION PACIFIC MISSILE RANGE FACILITY, BARKING SANDS, HAWAII	4. PROJECT TITLE RANGE OPERATIONS CENTER ADDITION

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 143.15	7. PROJECT NUMBER P-016	8. PROJECT COST ($000) 2,360

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RANGE OPERATIONS CENTER ADDITION	SF	9,730	-	1,860
BUILDING ADDITION.	SF	9,730	165.00	(1,610)
BUILT-IN EQUIPMENT	LS	-	-	(250)
SUPPORTING FACILITIES.	-	-	-	290
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(80)
SUBTOTAL	-	-	-	2,150
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,260
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,280
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,360
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	(NON-ADD)		(36,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building addition, concrete foundation and floor, masonry walls, built-up roof on metal deck, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 31,240 SF. ADEQUATE: 21,510 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides controlled environment building addition to the range operations center for orderly installation of equipment.

REQUIREMENT: Additional space for new range operations computer and instrumentation equipment. The range is used by fleet ships, aircraft, and submarines for coordinated exercises and weapons training. The progressive upgrade of range instrumentation capabilities, coupled with excellent weather and the lack of shipping in the area, makes Barking Sands an ideal location for test and evaluation of weapons systems. New range computers and instrumentation are necessary to keep pace with development of new ships, missiles, and aircraft. An expanded range control and operational coordination center is a necessary next step in order to make the other enhancements work to optimum effect and to permit the range to accommodate more fleet units for realistic, large-scale training. Improved surveillance and tracking systems will allow larger numbers of aircraft and ships to use the range simultaneously in a safe environment.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

PACIFIC MISSILE RANGE FACILITY, BARKING SANDS, HAWAII

4. PROJECT TITLE RANGE OPERATIONS CENTER ADDITION	5. PROJECT NUMBER P-016

11. **REQUIREMENT:** (Continued)

CURRENT SITUATION: The range operations center is fully utilized with current workload and assigned equipment. There are two small tracking and control rooms and one computer room. The addition will have three more tracking and control centers and a computer room. New equipment to be housed in the addition includes a major new computer system, target control and surveillance systems additions, and increased operational displays, including a new tracking and control center. Range operations continue to increase. Over the last several years the number of operations has averaged over 600 per month. Administrative functions have been forced out of the center into temporary facilities as new equipment has been installed.

IMPACT IF NOT PROVIDED: Space will not be available for new range operations computer and instrumentation equipment. The range operations center will be unable to keep pace with the expanding fleet, and the advances in weapons technology.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 11-83
- (b) Percent Complete as of January 1986........... 65
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 2-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(120)
- (b) All Other Design Costs..........................(90)
- (c) Total.. 210
- (d) Contract..(190)
- (e) In-house..(20)

(4) Construction start........................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PACIFIC MISSILE RANGE FACILITY, BARKING SANDS, HAWAII		
4. PROJECT TITLE RANGE OPERATIONS CENTER ADDITION		5. PROJECT NUMBER P-016

12. SUPPLEMENTAL DATA: (Continued)

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Range Operations Computers and Tracking System	OPN	1987	23,300
Navy Tactical Data System	OPN	1988	7,500
Large Screen Displays	OPN	1987	5,200
		TOTAL	36,000

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION PACIFIC MISSILE RANGE FACILITY, BARKING SANDS, HAWAII	4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR AND SUPPORT FACILITIES

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 211.05	7. PROJECT NUMBER P-766	8. PROJECT COST ($000) 5,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE HANGAR AND SUPPORT FACS	SF	37,360	-	3,820
BUILDING	SF	37,360	99.00	(3,700)
ACCESS APRON	LS	-	-	(120)
SUPPORTING FACILITIES.	-	-	-	1,660
ELECTRICAL UTILITIES	LS	-	-	(700)
MECHANICAL UTILITIES	LS	-	-	(830)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(130)
SUBTOTAL	-	-	-	5,480
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST.	-	-	-	5,750
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	320
TOTAL REQUEST.	-	-	-	6,070
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel-frame hangar building, concrete foundation and floor, masonry and corrugated metal walls, metal roof, sliding doors, bridge crane, fire protection system, air conditioning, utilities; access apron; open storage pad.

11. REQUIREMENT: 37,360 SF. ADEQUATE: 0 SF. SUBSTANDARD: 7,880 SF.

PROJECT: Provides a one-module aircraft maintenance hangar and a support building to house shops, storage, equipment, and administrative functions.

REQUIREMENT: Maintenance and support facilities for the eleven aircraft assigned to this facility. Barking Sands provides down-range support for the Pacific Missile Range. PMTC Point Mugu is the primary test center and launch area. Long-range missile firings take place between the west coast facility and Hawaii. Barking Sands' mission is to provide missile tracking and recovery support for the missile test exercises. The range is also used by fleet ships, aircraft and submarines for coordinated exercises and weapons training. The aircraft assigned are of varying type and configuration. Barking Sands is also required to provide maintenance support to other aircraft temporarily deployed there and to maintain aircraft engines.

CURRENT SITUATION: There is no existing maintenance hangar nor substantial support assets at this facility. A nose dock used for maintenance was destroyed completely during Typhoon Eva several years ago. Maintenance crews and aircraft are exposed to salty air, rain, hot sun, wind, and

(Continued on DD 1391c)

U.S. Government Printing Office: 1984—

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PACIFIC MISSILE RANGE FACILITY, BARKING SANDS, HAWAII		
4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR AND SUPPORT FACILITIES		5. PROJECT NUMBER P-766

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
blowing sand. Crew and equipment and administrative spaces are housed in one deteriorated 40-foot by 100-foot structure and five inadequate temporary trailers. The trailers are made of wood and a fire hazard. The spaces are overcrowded and lack humidity control, making work difficult and inefficient. Only one bathroom facility exists for all the buildings in the vicinity. Maintenance of the assigned aircraft is difficult most of the time and cannot be performed at all during bad weather conditions.
IMPACT IF NOT PROVIDED: Existing maintenance operations performed outside will result in aircraft receiving less than the best quality upkeep. Maintenance time will be lost during bad weather.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 6-84
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes No X
(b) Where Design Was Most Recently Used:

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(285)
(b) All Other Design Costs........................(195)
(c) Total... 480
(d) Contract......................................(445)
(e) In-house......................................(35)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3915

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR REWORK FACILITY, CHERRY POINT, NORTH CAROLINA	4. COMMAND NAVAL AIR SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 0.86

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	17	75	3300	0	0	0	0	0	0	3392
b. END FY 19 91	20	85	3750	0	0	0	0	0	0	3855

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of MCAS
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	37,010
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	37,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,490
f. PLANNED IN NEXT THREE PROGRAM YEARS	18,940
g. REMAINING DEFICIENCY	40,010
h. GRAND TOTAL	137,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.14	Aircraft Rework Facility	160,800 SF	21,600	8-84	6-86
211.24	Aircraft Eng Blade Rework Fac	103,720 SF	15,600	3-84	4-86
	TOTAL		37,200		

9. **Future Projects**:

a. Included in following program (FY 88):

211.60	Pneumatics Shop Addn	22,140 SF	4,490
			4,490

b. Major planned next three years:

211.24	Cleaning Shop	47,300 SF	18,940

10. **Mission or Major Functions**: Perform a complete range of depot level rework operations on designated weapon systems, accessories, and equipment; provide engineering service in development of changes in hardware design; furnish technical services on aircraft maintenance and logistics problems; perform, upon specific request or assignment, other aircraft maintenance.

Aircraft: F-4, OV-10, H-46, AV-8A, AV-8B
Engines: J79, T76, T58, T400, T74, F402

11. **Outstanding pollution and safety deficiencies**: ($000)

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health (OSH): 0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR REWORK FACILITY, CHERRY POINT, NORTH CAROLINA	AIRCRAFT REWORK FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
7 20 07 N	211.14	P-884	21,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT REWORK FACILITY	SF	160,800	-	18,150
BUILDING	SF	160,800	70.00	(11,300)
STORAGE SHED	LS	-	-	(250)
BUILT-IN EQUIPMENT	LS	-	-	(6,600)
SUPPORTING FACILITIES.	-	-	-	1,350
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(500)
UTILITIES.	LS	-	-	(400)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(450)
SUBTOTAL	-	-	-	19,500
CONTINGENCY (5%)	-	-	-	1,000
TOTAL CONTRACT COST.	-	-	-	20,500
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,100
TOTAL REQUEST.	-	-	-	21,600
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	21,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(10,460)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel frame hangar and shops building, pile foundation, concrete floors, masonry walls, built-up roof, high-bay area, aircraft access apron, water and noise pollution abatement features, bridge cranes, materials handling and storage system, technical operating manuals; storage shed; fire protection system, ventilation system, utilities; demolition of one building.

11. REQUIREMENT: 160,800 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a facility with full capability for the repair and remanufacture of technologically advanced components incorporated in the AV-8B aircraft and other weapons systems.

REQUIREMENT: Adequate and modern rework facility capable of overhauling advanced technology components of the AV-8B aircraft. The AV-8B aircraft fulfills the requirement for an advanced vertical/short-take-off and landing (V/STOL) attack aircraft which will extend Marine Corps air arm capability by providing responsive close air support to ground forces. This second generation V/STOL aircraft combines the speed and fire power of a modern jet attack aircraft with unique basing flexibility thereby increasing the effectiveness of the Marine Corps integrated air/ground team. The AV-8B incorporates high yield technology to provide a significantly improved aircraft. Cherry Point is the sole rework point for depot level maintenance of V/STOL aircraft currently in the DOD inventory.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR REWORK FACILITY, CHERRY POINT, NORTH CAROLINA		
4. PROJECT TITLE AIRCRAFT REWORK FACILITY		5. PROJECT NUMBER P-884

11. REQUIREMENT: (Continued)
A new rework facility is necessary to establish rework capability for this weapons system with its composite materials and other advanced technologic components. Overhaul workload on the AV-8B begins in FY 1988 and builds up to an average of 80 aircraft per year by the early 1990's.
CURRENT SITUATION: New technologies employed in the AV-8B aircraft concentrate primarily on the use of non-metallic, composite airframe components. These components are strong, flexible, lightweight, and give the aircraft enhanced performance capabilities. Unlike fiberglass panels, the composite materials must be capable of taking weight and stress loads. Their inspection and repair is critical to the ability of the overhauled aircraft to fly safely. The required facilities include environmentally-controlled areas for repair and remanufacture of composite materials, advanced inspection of complex materials, computer controlled machines for grinding and cutting materials, and non-destructive testing of end products. This activity does not have the facilities necessary to perform these functions. No vacant facilities exist which could be converted to provide the necessary capability for full support of this program.
IMPACT IF NOT PROVIDED: Support of the AV-8B rework program would be severely diminished resulting in longer lead-times, increased costs to fleet aircraft operations, and reduced capability for quick repair of the AV-8B aircraft.
ADDITIONAL: Project has been reviewed and accepted by the Joint Military Construction Review Board.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 8-84
(b) Percent Complete as of January 1986........... 70
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___No_X_
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(940)
(b) All Other Design Costs.........................(470)

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR REWORK FACILITY, CHERRY POINT, NORTH CAROLINA

4. PROJECT TITLE AIRCRAFT REWORK FACILITY	5. PROJECT NUMBER P-884

12. SUPPLEMENTAL DATA: (Continued)

(c) Total.. 1,410
(d) Contract...(1,195)
(e) In-house...(215)

(4) Construction start............................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Cutting and Forming Equipment	NIF	1987	9,000
Test and Inspection Miscellaneous Equipment	NIF	1987	1,460
		TOTAL	10,460

DD FORM 1 DEC 76 1391c
[illegible]

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR REWORK FACILITY, CHERRY POINT, NORTH CAROLINA	4. PROJECT TITLE AIRCRAFT ENGINE BLADE REWORK FACILITY

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 211.24	7. PROJECT NUMBER P-940	8. PROJECT COST ($000) 15,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT ENGINE BLADE REWORK FACILITY. . . .	SF	103,720	-	13,450
REWORK BUILDING.	SF	65,720	72.00	(4,730)
WAREHOUSE.	SF	38,000	40.00	(1,520)
BUILT-IN EQUIPMENT	LS	-	-	(7,200)
SUPPORTING FACILITIES.	-	-	-	930
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(330)
UTILITIES.	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(400)
SUBTOTAL	-	-	-	14,380
CONTINGENCY (5%)	-	-	-	720
TOTAL CONTRACT COST.	-	-	-	15,100
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	830
TOTAL REQUEST.	-	-	-	15,930
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	15,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(39,400)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame rework building, pile foundation, concrete floor, masonry walls with brick facing, built-up roof; one story warehouse building; fire protection system, air conditioning, utilities; demolition of one building.

11. REQUIREMENT: 103,720 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides an automated aircraft engine blade and vane rework facility to restore damaged engine blades and vanes to a reusable condition. This will result in the reduction of blade scarcity and ultimately save millions of dollars in new blade orders. Further, it will conserve scarce strategic metals by recycling parts which would otherwise be scrapped.

REQUIREMENT: Adequate facility to house repair and inspection equipment and provide an automated process and storage system. Historically, most damaged blades have been considered non-repairable because of technological limitations in the repair and inspection processes, preventing the production of reliable safe blades. Blades are damaged by foreign objects ingested into aircraft engines. The results are nicks and cracks which could lead to blade failure, if reused. Blades subjected to high operating temperatures and stress will change shapes and adversely affect engine performance. Large quantities of blades are replaced each year at the five naval air rework facilities performing engine maintenance. Of the average

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR REWORK FACILITY, CHERRY POINT, NORTH CAROLINA

4. PROJECT TITLE
AIRCRAFT ENGINE BLADE REWORK FACILITY

5. PROJECT NUMBER
P-940

11. REQUIREMENT: (Continued)
950,000 parts now discarded annually, it is expected about 350,000 will be repaired in this facility. New blades and vanes are purchased from the engine manufacturers. New technology has been developed which can be used to repair nicked and cracked parts and reshape distorted blades. Improved inspection techniques insure that repaired parts are safe to reinstall.
CURRENT SITUATION: This facility performs limited repairs on aircraft engine blades and vanes. Technology now exists to repair over one-third of the once unusable parts and reuse them in the Navy's high performance jets. Currently, the process is performed manually limiting the number of blades repaired.
IMPACT IF NOT PROVIDED: The lack of modern automated equipment and a dedicated facility for blade repair will limit the quantities repaired. The Navy will be unable to take advantage of this cost and material saving blade repair process. Large numbers of expensive new blades will continue to be ordered. The potential savings of $54 million annually resulting from the use of repaired parts vice new parts will not be realized. Delays in engine repair and availability will continue because of the long time between part order and delivery.
ADDITIONAL: A primary economic analysis which shows a payback of one year for this facility has been completed. The optimum production rate of reworked turbine blades under an automated plant operation was determined during the concept development and used as a basis for the economic analysis.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................3-84
(b) Percent Complete as of January 1986.............90
(c) Percent Complete as of October 1986.............100
(d) Date Design Complete............................4-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(590)
(b) All Other Design Costs..........................(305)
(c) Total... 895
(d) Contract..(735)
(e) In-house..(160)

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AIR REWORK FACILITY, CHERRY POINT, NORTH CAROLINA

4. PROJECT TITLE AIRCRAFT ENGINE BLADE REWORK FACILITY	5. PROJECT NUMBER P-940

12. SUPPLEMENTAL DATA: (Continued)

(4) Construction start........................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Inspection Equipment, cutters and grinders, autoclaves	NIF	1986-1987	39,400

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND	4. COMMAND NAVAL AIR SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.08

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	526	2767	3679	84	75	0	0	0	0	7131
b. END FY 19 91	578	2995	3335	58	56	0	0	0	0	7022

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(7,125)	
b. INVENTORY TOTAL AS OF 30 SEP 1985		179,450
c. AUTHORIZATION NOT YET IN INVENTORY		12,270
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		21,140
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		9,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		33,700
g. REMAINING DEFICIENCY		24,980
h. GRAND TOTAL		280,540

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
311.15	Landing System Test Fac	13,310 SF	4,030	6-85	5-86
311.25	Aircraft Test & Eval Fac	95,900 SF	13,300	8-84	4-86
822.22	Steam & Condensate System	LS	2,450	2-84	12-85
831.10	Municipal Sewer Connection	LS	1,360	N/A*	N/A*
	TOTAL		21,140		

* No design - connection fee only.

9. Future Projects:

a. Included in following program (FY 88):

310.33	Telemetry Data Center	36,300 SF	7,400
321.10	Technical Services Shop	LS	1,600
			9,000

b. Major planned next three years:

211.05	TACAMO Hangar	LS	30,000
812.30	Electrical Distribution Sys	8,000 LF	3,700

10. Mission or Major Functions: Test and evaluate aircraft and weapon systems, components, and their related equipment for Fleet use. Station also supports tactical support squadrons and the Navy Test Pilot School.

Fleet Air Reconnaissance Squaron VQ-4
Oceanographic Development Squadron VXN-8
Air Test and Evaluation Squadron VX-1
Navy Test Pilot School

11. Outstanding pollution and safety deficiencies: ($000)

a.	Air pollution:	0
b.	Water pollution:	730
c.	Occupational safety and health (OSH):	0

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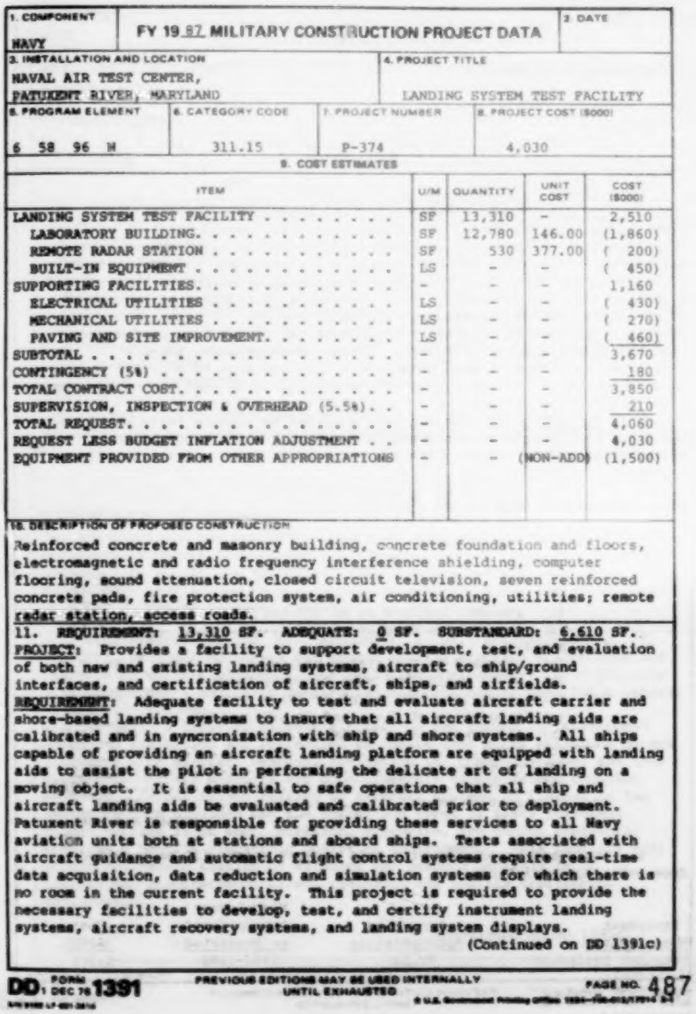
S/N 0102-LF-001-3901



1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND	4. PROJECT TITLE LANDING SYSTEM TEST FACILITY

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 311.15	7. PROJECT NUMBER P-374	8. PROJECT COST ($000) 4,030

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LANDING SYSTEM TEST FACILITY	SF	13,310	-	2,510
LABORATORY BUILDING.	SF	12,780	146.00	(1,860)
REMOTE RADAR STATION	SF	530	377.00	(200)
BUILT-IN EQUIPMENT	LS	-	-	(450)
SUPPORTING FACILITIES.	-	-	-	1,160
ELECTRICAL UTILITIES	LS	-	-	(430)
MECHANICAL UTILITIES	LS	-	-	(270)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(460)
SUBTOTAL	-	-	-	3,670
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,850
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	210
TOTAL REQUEST.	-	-	-	4,060
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,030
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(1,500)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete and masonry building, concrete foundation and floors, electromagnetic and radio frequency interference shielding, computer flooring, sound attenuation, closed circuit television, seven reinforced concrete pads, fire protection system, air conditioning, utilities; remote radar station, access roads.

11. REQUIREMENT: 13,310 SF. ADEQUATE: 0 SF. SUBSTANDARD: 6,610 SF.

PROJECT: Provides a facility to support development, test, and evaluation of both new and existing landing systems, aircraft to ship/ground interfaces, and certification of aircraft, ships, and airfields.

REQUIREMENT: Adequate facility to test and evaluate aircraft carrier and shore-based landing systems to insure that all aircraft landing aids are calibrated and in syncronization with ship and shore systems. All ships capable of providing an aircraft landing platform are equipped with landing aids to assist the pilot in performing the delicate art of landing on a moving object. It is essential to safe operations that all ship and aircraft landing aids be evaluated and calibrated prior to deployment. Patuxent River is responsible for providing these services to all Navy aviation units both at stations and aboard ships. Tests associated with aircraft guidance and automatic flight control systems require real-time data acquisition, data reduction and simulation systems for which there is no room in the current facility. This project is required to provide the necessary facilities to develop, test, and certify instrument landing systems, aircraft recovery systems, and landing system displays.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND		
4. PROJECT TITLE LANDING SYSTEM TEST FACILITY		5. PROJECT NUMBER P-374

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Test functions are being performed by personnel in 21 trailers and one relocatable building. Space is unavailable for installing new systems that are funded and scheduled and the test systems which attend them. The present test site is inadequate to support testing of the advanced technology landing systems being developed to meet new and expanding fleet requirements. Each aircraft type requires an average of 40 shorebase flights for aircraft system evaluation. Following the shorebase development flights, a minimum of two at-sea test periods are required aboard aircraft carriers. During these periods, 100-150 approaches are flown on each ship to qualify that type of aircraft for automatic carrier landing system operations. This is just one of the many tests required to evaluate and certify all landing systems.

IMPACT IF NOT PROVIDED: The activity will not be able to perform the tests and certifications essential to the deployment and operational safety of automatic flight, landing, and terminal air traffic control systems.

12. SUPPLEMENTAL DATA:

a. Estimated design data:
  (1) Status:
    (a) Date Design Started.............................. 6-85
    (b) Percent Complete as of January 1986........... 55
    (c) Percent Complete as of October 1986........... 100
    (d) Date Design Complete............................. 5-86
  (2) Basis:
    (a) Standard or Definitive Design: Yes___ No X
    (b) Where Design Was Most Recently Used: ________
  (3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
    (a) Production of Plans and Specifications........ (140)
    (b) All Other Design Costs........................... (145)
    (c) Total... 285
    (d) Contract.. (275)
    (e) In-house.. (10)
  (4) Construction start.......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Computer Equipment	RDT&E	1986-1988	1,500

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND	4. PROJECT TITLE AIRCRAFT TEST AND EVALUATION FACILITY

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 311.25	7. PROJECT NUMBER P-400	8. PROJECT COST ($000) 13,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT TEST AND EVALUATION FACILITY. . . .	SF	95,900	-	11,320
LABORATORY BUILDING.	SF	95,400	111.00	(10,590)
FLAMMABLE STORAGE.	SF	500	60.00	(30)
BUILT-IN EQUIPMENT	LS	-	-	(700)
SUPPORTING FACILITIES.	-	-	-	810
UTILITIES.	LS	-	-	(360)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(450)
SUBTOTAL	-	-	-	12,130
CONTINGENCY (5%)	-	-	-	610
TOTAL CONTRACT COST.	-	-	-	12,740
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	700
TOTAL REQUEST.	-	-	-	13,440
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	13,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(9,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story and one two-story reinforced concrete and masonry adjacent buildings, concrete foundations and floors, built-up roofs, compressed air system, fire protection system, air conditioning, utilities; controlled environment laboratory, vault, shielding, high-bay area, elevators, hoists; detached flammable storage; demolition of one building.

11. REQUIREMENT: 95,900 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides buildings for ground testing aircraft electronics and electronics warfare equipment in a real-time environment. This facility will complement a specially constructed aircraft hangar used for a variety of aircraft systems.

REQUIREMENT: A facility to test aircraft on the ground for electronic emissions evaluation and correction to insure that stray emissions do not interfere with aircraft weapons, navigation and communications; and that electronic warfare measures and countermeasure transmissions function properly. Actual flight testing of aircraft systems is limited in the amount of data provided and the number and types of tests performed. Flight testing is of short duration, expensive, and cannot adequately simulate a hostile electronic operating environment. This facility will permit full-scale testing of avionics and weapons packages in an integrated, computer-controlled, realistic and hostile electronics environment.

(Continued on DD 1391c)

S/N 0102-LF-001-3910
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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND		
4. PROJECT TITLE AIRCRAFT TEST AND EVALUATION FACILITY		5. PROJECT NUMBER P-400

11. **REQUIREMENT:** (Continued)

CURRENT SITUATION: Realistic test and evaluation of tactical weapons systems are severely limited because of emissions security restrictions and an inability to produce anticipated hostile environments. This impacts on both the ground and airborne testing of electronic warfare, data link, communications, man-machine interface, human factors, and radar systems. Consequently, aircraft electronic systems are not being fully evaluated in an anticipated combat environment. This presents doubts as to whether or not development of weapons are fully maximized.

IMPACT IF NOT PROVIDED: High-risk and high-cost flight testing and unrealistic ground and flight testing of aircraft avionics in relatively benign, non-threat environments will continue as the only feasible means of providing electronics testing. Limited flight test resources and security restrictions prohibit full testing of avionics systems in the hostile environment which they will experience in actual combat situations. No way to realistically foretell if avionics systems could cope with the anticipated hostile electronic environment they will encounter. Catastrophic failure of the mission could be the end result.

12. SUPPLEMENTAL DATA:

a. Estimated design data:
  (1) Status:
    (a) Date Design Started.............................. 8-84
    (b) Percent Complete as of January 1986........... 75
    (c) Percent Complete as of October 1986........... 100
    (d) Date Design Complete........................... 4-86
  (2) Basis:
    (a) Standard or Definitive Design: Yes___ No X
    (b) Where Design Was Most Recently Used: ______
  (3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
    (a) Production of Plans and Specifications........(650)
    (b) All Other Design Costs..........................(180)
    (c) Total... 830
    (d) Contract..(775)
    (e) In-house..(55)
  (4) Construction start.......................... 11-86
  (month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Test and Eval Equip	RDT&E	1987	9,000

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR REWORK FACILITY, PENSACOLA, FLORIDA	4. COMMAND NAVAL AIR SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	13	23	3670	0	0	0	0	0	0	3706
b. END FY 19 91	15	24	3640	0	0	0	0	0	0	3679

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE Tenant of NAS
b. INVENTORY TOTAL AS OF 30 SEP 1985 0
c. AUTHORIZATION NOT YET IN INVENTORY 5,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 8,050
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 17,950
g. REMAINING DEFICIENCY 26,480
h. GRAND TOTAL 57,670

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.32	Aircraft Structures Rep Fac	90,000 SF	8,050	5-85	10-86
	TOTAL		8,050		

9. Future Projects:
a. Included in following program (FY 88): None.

b. Major planned next three years:

211.34	Components Overhaul Fac	212,300 SF	17,500
211.93	Engineering Laboratory	1,920 SF	450

10. Mission or Major Functions: Perform a complete range of depot level rework operations on designated weapon systems, accessories and equipment; provide engineering services for development of changes of hardware design; furnish technical services on aircraft maintenance and logistics problems; and perform upon specific request or assignment, other aircraft maintenance. Aircraft Reworked: A-4, H-53, H-3, T-3a, SH-60

11. Outstanding pollution and safety deficiencies: ($000)

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health (OSH):	0

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1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AIR REWORK FACILITY,
PENSACOLA, FLORIDA

4. PROJECT TITLE
AIRCRAFT STRUCTURES REPAIR
FACILITY

5. PROGRAM ELEMENT
7 20 96 N

6. CATEGORY CODE
211.32

7. PROJECT NUMBER
P-562

8. PROJECT COST ($000)
8,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT STRUCTURES REPAIR FACILITY.	SF	90,000	-	7,220
BUILDING	SF	90,000	76.00	(6,820)
BUILT-IN EQUIPMENT	LS	-	-	(400)
SUPPORTING FACILITIES.	-	-	-	260
UTILITIES.	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(90)
SUBTOTAL	-	-	-	7,480
CONTINGENCY (5%)	-	-	-	370
TOTAL CONTRACT COST.	-	-	-	7,850
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	430
TOTAL REQUEST.	-	-	-	8,280
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,050
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(5,370)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, masonry walls, built-up roof, high and low bays, walk-in freezer and refrigerated storage, exhaust filtering system, x-ray shielding, chemical laboratory, administrative space, security system, automatic fire sprinkler system, air conditioning, utilities.

11. REQUIREMENT: 90,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 70,390 SF.

PROJECT: Provides an environmentally-controlled rework facility for repair and manufacture of small aircraft components, many of which are made of non-metallic materials.

REQUIREMENT: A facility with environmental controls and specialized features capable of accommodating existing and future aircraft small components such as access panels, housings, pylons, canopies, and helicopter blades. Modern aircraft have a large number and variety of small sub-components which must be removed from the main rework buildings and repaired in separate, environmentally-controlled areas. These parts may be metal, plastic, or a combination of materials. Special process equipment including ovens, molds, autoclaves, layup machines, and curing areas are needed for processing. Production control areas, refrigerated storage, and material handling equipment are also required. Features must be included in the work area to control the dust and toxic fumes produced. Composite materials also require special environmental considerations. New helicopters being assigned to Pensacola for rework include SH-60B (LAMPS Mk

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR REWORK FACILITY, PENSACOLA, FLORIDA		
4. PROJECT TITLE AIRCRAFT STRUCTURES REPAIR FACILITY		5. PROJECT NUMBER P-562

11. REQUIREMENT: (Continued)
III) and MH-53 (mine countermeasures). These helicopters will generate an increased workload in the repair and manufacture of non-metallic subcomponents.
CURRENT SITUATION: Pensacola is not equipped to accept additional, specialized workload generated by the introduction of new helicopters. Subcomponents rework is now performed in six buildings. None are environmentally adequate or suitable for expansion to accept new workload. Space currently used for fiberglass repair has electrical discrepancies, puts toxic dusts and solvent fumes into the rest of the building, and is needed for expansion of the hydraulics shop. Consolidation of separated functions into a central facility large enough to accept the additional workload is necessary. The trend in aircraft manufacture makes increasing use of composite materials. This facility is needed to safely and efficiently rework aircraft of the future.
IMPACT IF NOT PROVIDED: Shortcomings of the existing structures will continue to handicap workloads. Special features needed for increasing workloads will not be available. Parts rework will be delayed and inefficient. Upon completion of this project, vacated spaces will be available to other shops having increasing workloads.
ADDITIONAL: Project has been reviewed and accepted by the Joint Military Construction Review Board.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started........................... 5-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (380)
- (b) All Other Design Costs........................ (135)
- (c) Total... 515
- (d) Contract...................................... (460)
- (e) In-house...................................... (55)

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR REWORK FACILITY, PENSACOLA, FLORIDA		
4. PROJECT TITLE AIRCRAFT STRUCTURES REPAIR FACILITY		5. PROJECT NUMBER P-562

12. SUPPLEMENTAL DATA: (Continued)

(4) Construction start........................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Test and Repair Equipment	NIF	1987	5,370

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA	4. COMMAND NAVAL AIR SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.20

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	334	2151	4272	0	0	0	62	117	0	6936
b. END FY 1991	384	2235	4272	0	0	0	42	224	0	7157

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(27,095)
b. INVENTORY TOTAL AS OF 30 SEP 1985	191,290
c. AUTHORIZATION NOT YET IN INVENTORY	32,130
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	590
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	900
f. PLANNED IN NEXT THREE PROGRAM YEARS	15,470
g. REMAINING DEFICIENCY	15,500
h. GRAND TOTAL	255,880

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.25	Telemetry Facilities	LS	590	10-85	8-86
	TOTAL		590		

9. Future Projects:

a. Included in following program (FY 88):

421.72	Missile Magazine	5,044 SF	900
			900

b. Major planned next three years:

113.20	Aircraft parking Apron	LS	5,100
312.30	Missile Integration Fac	LS	10,370

10. Mission or Major Functions: Perform development, test and evaluation, follow-on engineering, logistics and training for Naval weapons systems. Provide major range technical and base support for fleet users and other DOD and government agencies. Provides range, target and other support services for fleet training and fleet operational test and evaluation programs and projects.

VX-4 with 13 aircraft
NAS Point Mugu with 32 aircraft
VXE-6 with 13 aircraft
VFA-30 with 9 aircraft
Naval Air Reserve Unit with 9 aircraft
VAQ-34 with 10 aircraft
Range tracking facilities - San Nicholas Island

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	250
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

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NAVAL FACILITIES ENGINEERING COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL FACILITIES ENGINEERING COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NCBC Gulfport, MS	708	Controlled Humidity Storage Facilities	$ 14,200	$ 14,200	498
	703	Seabee Battalion Operations Facility	1,670	1,670	500
	711	Facility Energy Improvements	400	400	745
	500	Data Processing Center	690	690	773
	720	Security Building	690	690	774
		Subtotal	17,650	17,650	
NPWC Norfolk, VA	238	Maintenance Storage Facility	2,450	2,450	503
	844	Steam Plant Improvements	5,600	5,600	505
	232	Oil Spill Prevention	690	690	754
		Subtotal	8,740	8,740	
NPWC Pearl Harbor, HI	455	Electrical Distribution System Improvements (Phase I)	18,200	18,200	508
	095	Water Distribution System Improvements	6,700	6,700	510
	145	Municipal Sewer Connection	790	790	753
		Subtotal	25,690	25,690	
NPWC Pensacola, FL	002	Electrical System Improvements	1,470	1,470	514
	087	Oil Spill Prevention	250	250	752
	100	Hazardous Materials Storage and Handling Facility	400	400	769
		Subtotal	2,120	2,120	
NCBC Port Hueneme, CA	452	Engineering Support Facility	3,140	3,140	517
	392	Bachelor Officer Quarters	3,040	3,040	519
	081	Chapel	0	2,040	521
	389	Hazardous Waste Facility	640	640	751
	407	Abrasive Blast Facility	300	300	764
		Subtotal	7,120	9,160	
NPWC San Francisco, CA	044	Noise Attenuation	450	450	765
		Subtotal	450	450	
TOTAL - NAVAL FACILITIES ENGINEERING COMMAND			61,770	63,810	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, GULFPORT, MISSISSIPPI	4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND	5. AREA CONSTR. COST INDEX 0.87

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	173	3742	830	2	415	0	32	215	0	5409
b. END FY 19 91	175	3750	830	0	533	0	33	218	0	5539

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,471)
b. INVENTORY TOTAL AS OF 30 SEP 1985	51,820
c. AUTHORIZATION NOT YET IN INVENTORY	26,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	17,650
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	340
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	99,910

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.20	Contld Humidity Storage Facs	306,000 SF	14,200	5-85	6-86
610.10	Seabee Batt Ops Fac	19,500 SF	1,670	7-85	3-86
610.20	Data Processing Center	LS	690	3-84	3-86
721.11	Facility Energy Improvements	LS	400	1-84	12-85
730.20	Security Building	LS	690	8-85	5-86
	TOTAL		17,650		

9. Future Projects:

a. Included in following program (FY 88):

441.30	Hazadrous Matl Storage Fac	LS	3,300
			3,300

b. Major planned next three years:

451.10	Open Storage Security	LS	340

10. Mission or Major Functions: Support the Naval Construction Force, fleet units and assigned organizational units deployed from, or homeported at the center; support mobilization requirements of the Naval Construction Force; store, perserve, and ship advanced base and mobilization stocks.

20th Naval Construction Regiment
5 Naval Mobile Construction Battalions
Naval Construction Training Center
17 Reserve Naval Mobile Construction Battalions
9 Reserve Naval Construction Regiments
1 Reserve Naval Construction Force Augmentation Unit

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	3,300

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, GULFPORT, MISSISSIPPI	4. PROJECT TITLE CONTROLLED HUMIDITY STORAGE FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
7 28 96 N	441.20	P-708	14,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONTROLLED HUMIDITY STORAGE FACILITIES . . .	SF	306,000	-	11,680
STORAGE FACILITIES	SF	303,730	27.00	(8,250)
ADMINISTRATIVE OFFICES	SF	2,270	62.00	(140)
RAILROAD	LF	3,000	137.00	(410)
BUILT-IN EQUIPMENT	LS	-	-	(2,880)
SUPPORTING FACILITIES.	-	-	-	1,410
UTILITIES.	LS	-	-	(360)
RAIL SPUR.	LS	-	-	(200)
CRANE RUNWAY	LS	-	-	(450)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(400)
SUBTOTAL	-	-	-	13,090
CONTINGENCY (5%)	-	-	-	650
TOTAL CONTRACT COST.	-	-	-	13,740
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	760
TOTAL REQUEST.	-	-	-	14,500
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	14,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(45,760)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story steel frame buildings, concrete foundations, reinforced concrete floors, precast concrete exterior walls, insulated metal roofs, interior rail line, overhead cranes and craneways, energy monitoring and control system, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 880,250 SF. ADEQUATE: 574,250 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs two controlled humidity storage facilities.

REQUIREMENT: Adequate controlled humidity storage space for civil engineering support equipment (CESE) to support readiness of the Naval Construction Forces. One of Gulfport's primary missions is to store prepositioned war reserve material for the construction forces. If full mobilization occurs, up to three active construction battalions, one active construction regiment, four reserve construction regiments, and eight reserve construction battalions will be processed through Gulfport. These construction forces must move to Gulfport, draw equipment, pack-up the equipment, and move out within a 45-day period.

CURRENT SITUATION: At this time, 85% of the civil engineering support equipment required to support the Naval Construction Forces deploying through Gulfport is available. Between FY 1986 and FY 1987, the balance of the equipment will be purchased and shipped to Gulfport. Warehouses are not available at Gulfport to store this equipment. Consequently, some of the equipment will have to be stored outside. Gulfport is located in a

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, GULFPORT, MISSISSIPPI		
4. PROJECT TITLE CONTROLLED HUMIDITY STORAGE FACILITIES		5. PROJECT NUMBER P-708

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
high-humidity climate where salt air causes rapid metal deterioration. Storing the equipment outside will expedite this deterioration and result in a shorter preventative maintenance cycle.
IMPACT IF NOT PROVIDED: Increased CESE equipment maintenance cost and a negative impact on readiness of the Naval Construction Forces.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 5-85
(b) Percent Complete as of January 1986............ 50
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete.............................. 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......... (255)
(b) All Other Design Costs.............................. (115)
(c) Total.. 370
(d) Contract.. (310)
(e) In-house.. (60)

(4) Construction start.............................. 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Seabee Equipment Pack-ups	O&MN/BA-7	1987	41,000
Containers	OPN/BA-5	1987	4,760
		TOTAL	45,760

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, GULFPORT, MISSISSIPPI	4. PROJECT TITLE SEABEE BATTALION OPERATIONS FACILITY

5. PROGRAM ELEMENT 7 28 96 N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-703	8. PROJECT COST ($000) 1,670

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SEABEE BATTALION OPERATIONS FACILITY	SF	19,500	-	1,260
BUILDING	SF	19,500	55.00	(1,080)
RELOCATE MAILROOM & AUDIO-VISUAL CENTER. .	LS	-	-	(180)
SUPPORTING FACILITIES.	-	-	-	270
UTILITIES, PAVING & SITE IMPR, DEMOLITION	LS	-	-	(270)
SUBTOTAL	-	-	-	1,530
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,610
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	90
TOTAL REQUEST.	-	-	-	1,700
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,670
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, concrete foundation and floors, masonry walls with brick facing, built-up roof on concrete over steel joists, fire protection system, air conditioning, utilities; demolition of one building and relocation of mailroom and audio-visual center.

11. REQUIREMENT: 58,500 SF. ADEQUATE: 39,000 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a seabee battalion operations facility.

REQUIREMENT: Adequately sized and configured operations space to support the activation of a fifth Seabee Battalion. Four active battalions are homeported at Gulfport, with two battalions on-board at one time. The addition of a fifth battalion results in three battalions being in homeport a majority of the time, requiring an additional battalion operations facility. The battalions operate on a seven-month in homeport and seven-month on deployment rotation cycle to overseas sites. The operations requirement is critical because of the limited time for these units to receive and train replacement personnel and perform engineering, planning, estimating, scheduling, and materials procurement for the forthcoming seven-month deployment.

CURRENT SITUATION: Battalions presently use 40 year-old frame buildings with poor insulation, inferior heating and cooling, and substandard wiring and roofing. The buildings are completely worn-out and not suitable for rehabilitation because of age and dilapidated condition. Interior finishes are no longer serviceable, and structural members are rotted-out.

(Continued on DD 1391c)

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U.S. Government Printing Office: 1980-[illegible]

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, GULFPORT, MISSISSIPPI		
4. PROJECT TITLE SEABEE BATTALION OPERATIONS FACILITY		5. PROJECT NUMBER P-703

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
Facilities contain much less space than needed. Because of this space deficiency, portions of the battalions are scattered to whatever facilities are available.
IMPACT IF NOT PROVIDED: Battalions will continue to operate in spaces which are too small, improperly sized, and poorly designed. Personnel will continue to be scattered, causing a detrimental effect on the operational efficiency, productivity, and morale of personnel; impairing the readiness of units and their ability to support the Naval Construction Force and the Atlantic Fleet.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 7-85
- (b) Percent Complete as of January 1986............ 90
- (c) Percent Complete as of October 1986............ 100
- (d) Date Design Complete............................ 3-86

(2) Basis:
- (a) Standard or Definitive Design: Yes X No ___
- (b) Where Design Was Most Recently Used: NCBC Gulfport, MS

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications.......... (25)
- (b) All Other Design Costs........................... (35)
- (c) Total.. 60
- (d) Contract... (35)
- (e) In-house... (25)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
NAVY PUBLIC WORKS CENTER,
NORFOLK, VIRGINIA

4. COMMAND
NAVAL FACILITIES
ENGINEERING COMMAND

5. AREA CONSTR. COST INDEX
0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	13	0	2093	0	0	0	0	0	0	2106
b. END FY 19 91	20	3	2093	0	0	0	0	0	0	2116

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,056)
b. INVENTORY TOTAL AS OF 30 SEP 1985	132,150
c. AUTHORIZATION NOT YET IN INVENTORY	21,950
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,740
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,550
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,000
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	174,390

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.70	Oil Spill Prevention	LS	690	6-85	4-86
219.77	Maintenance Storage Fac	57,230 SF	2,450	8-85	10-86
821.09	Steam Plant Improvements	LS	5,600	7-85	6-86
	TOTAL		8,740		

9. **Future Projects:**

a. Included in following program (FY 88):

610.10	Fleet Support Center	LS	2,400
812.30	Elect Distribution Sys Impr	LS	5,150
821.50	Steam Plant	LS	(40,000)*
			7,550

b. Major planned next three years:

213.58	Boat Shop	LS	3,000
811.60	Stand-by Generator Plant	LS	1,000

(*Private capital financing candidate.)

10. **Mission or Major Functions:** Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support and all other logistic support of a public works nature incident thereto, required by the operating forces, independent activities and other commands served by the public works center. Serves the station, supply center, air station, family housing, Commander in Chief, Atlantic Fleet Headquarters, and about 100 minor activities and commands.

11. **Outstanding pollution and safety deficiencies:** ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVY PUBLIC WORKS CENTER,
NORFOLK, VIRGINIA

4. PROJECT TITLE
MAINTENANCE STORAGE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
7 20 96 N	219.77	P-238	2,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE STORAGE FACILITY	SF	57,230	-	2,050
MAINTENANCE MATERIALS STORAGE SPACE. . . .	SF	44,790	28.00	(1,200)
ADMINISTRATIVE SUPPORT SPACE	SF	8,640	72.00	(600)
EXPENDABLE MATERIALS ISSUE	SF	3,800	64.00	(250)
SUPPORTING FACILITIES.	-	-	-	200
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(50)
UTILITIES, PAVING & SITE IMPR, DEMOLITION.	LS	-	-	(150)
SUBTOTAL	-	-	-	2,250
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,360
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	130
TOTAL REQUEST.	-	-	-	2,490
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,450
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building, pile foundation, concrete floors, built-up roof, fire protection system, ventilation and air conditioning, utilities; demolition of eight buildings.

---

11. REQUIREMENT: 57,230 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs public works maintenance storage facility with administrative support space.

REQUIREMENT: The center accomplishes maintenance and repairs to facilities supporting fleet and shore activities in the Sewells Point Naval Complex, requiring adequate space for storage and handling of materials used in this effort. The efficient handling and storage of large quantities of materials requires physically-secure, spaces properly designed for the receipt, inspection, handling and transport of material from the storage facility to the job site.

CURRENT SITUATION: Material storage function is housed in eight storage facilities dispersed around the Sewells Point Naval Complex. The facilities range in age from thirty to forty years old. They are in poor physical condition because of age, and lack adequate heating, ventilation, and fire protection systems. The lack of adequate covered storage space results in material losses from exposure to the elements. The center is temporarily leasing 22,400 square feet of commercial space one mile away from the Naval Base to partially satisfy the existing deficiency of material storage space.

(Continued on DD 1391c)

U.S. Government Printing Office 1984-[illegible]

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA		
4. PROJECT TITLE MAINTENANCE STORAGE FACILITY		5. PROJECT NUMBER P-238

11. **REQUIREMENT:** (Continued)

IMPACT IF NOT PROVIDED: The center will continue operating its material handling and storage functions in antiquated, inefficient facilities dispersed throughout the Sewells Point Area. Continued material losses because of weather damage. Operational efficiencies associated with adequate storage space, including physical security, inventory control, issuing, storing, and movement of materials will not be realized. Off-base leasing at a current cost of $110,000 per year will be continued as a necessity.

ADDITIONAL: An economic analysis has been prepared for this project and indicates a payback period of nine years.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 8-85
- (b) Percent Complete as of January 1986........... 50
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (100)
- (b) All Other Design Costs........................ (65)
- (c) Total.. 165
- (d) Contract..................................... (140)
- (e) In-house..................................... (25)

(4) Construction start......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA	4. PROJECT TITLE STEAM PLANT IMPROVEMENTS

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 821.09	7. PROJECT NUMBER P-844	8. PROJECT COST ($000) 5,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STEAM PLANT IMPROVEMENTS	LS	-	-	5,120
WATER TREATMENT PLANT.	LS	-	-	(3,400)
STEAM DISTRIBUTION SYSTEM.	LS	-	-	(1,300)
UTILITIES.	LS	-	-	(100)
BUILT-IN EQUIPMENT	LS	-	-	(320)
SUBTOTAL	-	-	-	5,120
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST.	-	-	-	5,380
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	300
TOTAL REQUEST.	-	-	-	5,680
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Install 1,000 GPM demineralizer with acid, caustic, and neutralizing tanks in one-story concrete and masonry building; modify steel drums in two high pressure boilers including cyclone scrubbers and trays; 5,700 feet of 12 inch steam distribution line with expansions, drip stations, pressure reducing stations, manholes, valves, pipe supports; provide technical operating manuals.

11. REQUIREMENT: As Required.

PROJECT: Provides installation of a demineralized boiler feedwater system for the central steam plant and an additional steam line to the waterfront.

REQUIREMENT: The center provides all utilities necessary in the Sewells Point Naval Complex. A vital part of this service is to supply steam to all homeported ships. The steam must be free of corrosive deposits and of adequate quantity and pressure to permit the ships to shut down their on-board generation equipment. Reduction is required in the mineral content of the boiler feedwater. The waterfront can be supplied with 300,000 pounds of steam per hour. An increase to 600,000 pounds of steam per hour is needed to serve the projected 20% increase in homeported ships for 1990. These improvements are required even if third party financing is used to construct a new steam plant.

CURRENT SITUATION: Steam supplied to the waterfront does not meet standards for quality required by modern ship boilers. The steam main to the waterfront is undersized and acts as a choke point, causing excess

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA		
4. PROJECT TITLE STEAM PLANT IMPROVEMENTS		5. PROJECT NUMBER P-844

11. **REQUIREMENT:** (Continued)

CURRENT SITUATION: (Continued)

pressure loss and restricting the quantity of steam provided to the homeported ships. In winter months the steam pressure occasionally drops so low that ships must light off their own boilers. This has an adverse effect on fuel availability for underway ship operations as well as unneccessarily increasing operation hours of on-board generation equipment.

IMPACT IF NOT PROVIDED: Poor quality steam will be provided to homeported ships resulting in increased maintenance, and some of the ships will be forced to steam while in port, wasting fuel and causing extra wear of on-board equipment.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 7-85
- (b) Percent Complete as of January 1986.......... 50
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete.......................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(150)
- (b) All Other Design Costs..........................(60)
- (c) Total.. 210
- (d) Contract...(185)
- (e) In-house...(25)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII	NAVAL FACILITIES ENGINEERING COMMAND	1.27

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	14	1	1510	0	0	0	0	0	0	1525
b. END FY 1991	20	0	1510	0	0	0	0	0	0	1530

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,079)
b. INVENTORY TOTAL AS OF 30 SEP 1985	254,870
c. AUTHORIZATION NOT YET IN INVENTORY	32,070
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	25,690
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,600
f. PLANNED IN NEXT THREE PROGRAM YEARS	56,400
g. REMAINING DEFICIENCY	35,930
h. GRAND TOTAL	425,560

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
811.60	Elect Distr Sys Improvements	LS	18,200	6-85	6-86
832.10	Municipal Sewer Connection	LS	790	NA	NA
842.10	Water Distr Sys Improvements	LS	6,700	5-85	9-86
	TOTAL		25,690		

9. Future Projects:

a.	Included in following program (FY 88):		
812.30	Alternate Power Source	LS	9,000
812.30	Shore Power Improvements	LS	11,600
			20,600
b.	Major planned next three years:		
214.20	Transportation Maint Facility	LS	6,500
811.10	Emergency Power (Ph II)	LS	19,000
811.10	Emergency Power	LS	15,000

10. Mission or Major Functions: Provide public works, public utilities, housing, engineering services, shore facilities planning support, and all other public works logistics support incident thereto, required by the operating forces, dependent activities, and other commands located in the vicinity of the Pearl Harbor Naval Complex.

Naval Shipyard	Naval Submarine Base
Naval Air Station, Barbers Point	Naval Station
Marine Barracks	Naval Supply Center
Naval Magazine, Lualualei	Family Housing Areas

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	15,230
c. Occupational safety and health (OSH):	1,070

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII		4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS (PHASE I)	
5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 811.60	7. PROJECT NUMBER P-455	8. PROJECT COST ($000) 18,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS.	LS	-	-	16,880
STANDBY GENERATORS	LS	-	-	(11,360)
SWITCHING STATIONS	LS	-	-	(2,010)
DISTRIBUTION LINES	LS	-	-	(3,230)
CONTROLS	LS	-	-	(190)
TECHNICAL OPERATING MANUALS.	LS	-	-	(90)
SUBTOTAL	-	-	-	16,880
CONTINGENCY (5%)	-	-	-	840
TOTAL CONTRACT COST.	-	-	-	17,720
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	970
TOTAL REQUEST.	-	-	-	18,690
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	18,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Diesel-engine driven generators, switching stations, supervisory controls and data acquisition, 11.5 KV primary electrical distribution lines.

11. REQUIREMENT: As Required.

PROJECT: Provides electric power generators, switching stations, controls and distribution lines.

REQUIREMENT: Adequate emergency electric power for critical loads in the shipyard so work may continue without significant interruption and to avoid creation of safety hazards. Naval shipyards are essential to the capability of the naval forces to maintain readiness in both peacetime and during conflicts. Pearl Harbor is the only naval shipyard located outside the continental US, and because of its strategic location has a critical role in supporting naval forces protecting interests in Asian and Pacific areas. The shipyard provides logistic support, conversion, overhaul, repair, alterations, dry docking and outfitting of homeported ships and service craft as well as those transiting the Pacific. The yard has capability of doing emergency repairs on all types of ships, including the largest aircraft carrier. Recent guidance requires minimum acceptable levels of utility support and redundancy on certain loads, such as pumps for fire protection and cooling water and dry dock pumps. Insufficient power for critical shipyard loads is an unacceptable risk.

CURRENT SITUATION: The shipyard does not have on-site emergency power capability to serve the critical loads. Without the on-site emergency

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII		
4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS (PHASE I)		5. PROJECT NUMBER P-455

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

power capability, the shipyard is completely dependent upon the local utility company for its electrical demands. Loss of power from the local utility company because of human error, accident, sabotage or forces of nature, will interrupt all operations at the shipyard. This will delay ship overhaul, repair and modernization, and prolong the non-availability of the ships to the Pacific Fleet. There will be loss of production time and creation of safety hazards throughout the shipyard area. Loss of electrical service from the local utility company left the shipyard completely without power for one half- hour during a hurricane in 1982, and twelve hours during an island-wide power outage in 1983. The twelve-hour power outage created a dollar loss of approximately $5,000,000. Modern vessels in a critical stage of repair could have sustained extensive damage because of the power loss to equipment, instruments and the vessel. Lives could have been endangered or lost.

IMPACT IF NOT PROVIDED: Possible interruption of shipyard operations. Power outages will cause loss of production time and safety hazards through the vast shipyard.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 6-85
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 6-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(190)
- (b) All Other Design Costs.........................(240)
- (c) Total.. 430
- (d) Contract.......................................(370)
- (e) In-house.......................................(60)

(4) Construction start......................... 1-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII	4. PROJECT TITLE WATER DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 842.10	7. PROJECT NUMBER P-095	8. PROJECT COST ($000) 6,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATER DISTRIBUTION SYSTEM IMPROVEMENTS . . .	LS	-	-	5,940
WATER STORAGE TANK	LS	-	-	(630)
PUMP STATION AND EQUIPMENT	LS	-	-	(820)
PRIMARY LINES.	LS	-	-	(3,180)
HYDRANTS, VALVES, LATERALS & CONNECTIONS .	LS	-	-	(1,310)
SUPPORTING FACILITIES.	-	-	-	170
UTILITIES.	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(110)
SUBTOTAL	-	-	-	6,110
CONTINGENCY (5%)	-	-	-	310
TOTAL CONTRACT COST.	-	-	-	6,420
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	350
TOTAL REQUEST.	-	-	-	6,770
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	6,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Water pipelines, valves, appurtenances, laterals, reduced pressure backflow preventers, connections, fire hydrants; pumping stations and water storage tank installed at ground level; provisions for cathodic protection anodes; utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides water storage tank, pumping station, water lines including hydrants and control valves at NAS Barbers Point. Installs water lines and replaces undersized water lines complete with valves, laterals and connections, and new hydrants at the 3,000-acre West Loch Branch of the Naval Magazine at Lualualei. Installs backflow preventers at potable water service outlets on piers and wharves throughout the naval base and the shipyard.

REQUIREMENT: Adequate water flow for fire protection of aircraft, maintenance hangars, warehouse, ordnance maintenance facility, Coast Guard Station, associated equipment and personnel. The air station performs aircraft maintenance functions at the organizational and intermediate levels for station and transient aircraft. Five anti-submarine patrol aircraft squadrons are homeported at Barbers Point. The fire protection facilities are necessary to ensure the sustainability and readiness of the patrol squadrons, ordnance maintenance facility, and Coast Guard Station to perform their assigned missions. The water system must also provide adequate water for domestic and industrial use. Large quantities of

(Continued on DD 1391c)

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII		—
4. PROJECT TITLE WATER DISTRIBUTION SYSTEM IMPROVEMENTS		5. PROJECT NUMBER P-095

11. REQUIREMENT: (Continued)
ordnance and explosives are stored in the 119 magazines at West Loch for resupplying Pacific Fleet ships. Because of the combustible nature of these materials, West Loch is highly susceptible to a major incident should a fire occur. There are 113 buildings and 822 personnel at West Loch. West Loch's water distribution system cannot supply adequate fire protection flows, particularly in the ship berthing areas. Some areas have no water at all for fire fighting purposes. Improvements to the water distribution system for adequate water flow for fire protection are necessary. Backflow preventers are necessary to provide protection against contaminated water siphoning back into the freshwater system through ship-to-shore connections.
CURRENT SITUATION: The fire protection system at Barbers Point provides less than 30% of the required flow at the maintenance hangars. For this deluge sprinkler system to operate effectively, a flow of 12,000 gallons per minute at 75 pounds per square inch pressure is required. At risk are loss or damage to aircraft, equipment, and the injury to personnel or the loss of life. Fire flow tests conducted at the ordnance maintenance facility, which includes a security area for advanced underwater weapons, and the Coast Guard Station indicate that available water flows are less than 35% of the required rates. Engineering surveys found that although two ample sources of fresh water are available, the distribution system flow declines sharply at points within West Loch's boundaries. The water lines were installed piece-meal since 1933 without an overall system plan. As a result, sections of adequately-sized water line are connected between sections of old smaller diameter water lines. These undersized sections restrict the water flows at West Loch to far below the minimum required by national fire code criteria. In some areas only 25% of the required fire protection flow can be obtained.
IMPACT IF NOT PROVIDED: Potential fire hazard to high value aircraft, buildings, and personnel will continue. Ability to provide munitions support to the fleet would be curtailed by an uncontrolled fire at West Loch. A fire, if not quickly contained, would destroy lives, ammunition supplies, and berthed ships. Freshwater system on piers and wharves at the naval base and shipyard could become contaminated.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 5-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 9-86

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII		
4. PROJECT TITLE WATER DISTRIBUTION SYSTEM IMPROVEMENTS		5. PROJECT NUMBER P-095

12. SUPPLEMENTAL DATA: (Continued)

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(215)
(b) All Other Design Costs........................(160)
(c) Total.. 375
(d) Contract.....................................(335)
(e) In-house.....................................(40)

(4) Construction start........................1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c
S/N 0102-LF-001-3915
PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVY PUBLIC WORKS CENTER, PENSACOLA, FLORIDA	NAVAL FACILITIES ENGINEERING COMMAND	0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	11	0	875	0	0	0	0	0	0	886
b. END FY 19 91	17	2	875	0	0	0	0	0	0	894

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(285)
b. INVENTORY TOTAL AS OF 30 SEP 1985	55,840
c. AUTHORIZATION NOT YET IN INVENTORY	17,240
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,120
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	720
f. PLANNED IN NEXT THREE PROGRAM YEARS	7,000
g. REMAINING DEFICIENCY	2,300
h. GRAND TOTAL	85,220

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.78	Haz Mtls Stg & Handling Fac	LS	400	8-85	6-86
821.09	Oil Spill Prevention	LS	250	8-85	5-86
822.12	Electrical System Imprs	LS	1,470	3-85	10-86
	TOTAL		2,120		

9. Future Projects:

a. Included in following program (FY 88):

831.41	Hazardous Waste Storage Fac	LS	720
			720

b. Major planned next three years:

822.12	Utility Systems	LS	7,000

10. Mission or Major Functions: Provides public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support, and all other public works logistics support incident thereto, required by the operating forces, dependent activities, and other commands located in the vicinity of the Pensacola Navy Complex.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	1,050
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, PENSACOLA, FLORIDA	4. PROJECT TITLE ELECTRICAL SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 822.12	7. PROJECT NUMBER P-002	8. PROJECT COST ($000) 1,470

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL SYSTEM IMPROVEMENTS	LS	-	-	1,350
SUBTOTAL	-	-	-	1,350
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,420
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,500
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,470
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Converts 2,400-volt electrical system to 12.47 KV system, replace transformers, remove switchgear, replace circuits, provide new feeder.

11. REQUIREMENT: As Required.

PROJECT: Increases incoming electric power supply capacity and upgrades on-station equipment and distribution lines to a high-voltage system.

REQUIREMENT: Adequate electric power distribution system to provide sufficient dependable electric power to Corry Station and Saufley Field. The continuous build-up of electric power demand resulting from new construction, modernizations, and activity expansions was not accompanied by a power system upgrading. The total electrical load at Corry Station will have increased from 5.9 megawatts (MW) in 1982 to 9.8 MW in 1987. At Saufley Field, the increase will be from 1.3 MW to 2.3 MW for the same period.

CURRENT SITUATION: The electrical system at Saufley operates on the old low level of 2,400 volts. Power is purchased from the commercial utility and supplied through two government-owned underground feeders to station switchgear. It is then distributed into the station's underground electrical system. This system was installed in 1939 and a second incoming feeder added in 1965. Although the system has been maintained, the age of equipment and cables makes the system unreliable with frequent outages and above average maintenance costs. In 1984 there were 22 outages at Saufley

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, PENSACOLA, FLORIDA		
4. PROJECT TITLE ELECTRICAL SYSTEM IMPROVEMENTS		5. PROJECT NUMBER P-002

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

Field and 18 outages at Corry Station. The present system has very limited capacity and will not adequately serve future requirements. Loads added to the electric system since 1975 have completely utilized any spare capacity of the loop feeders and have compromised the reliability of the system.

IMPACT IF NOT PROVIDED: Loss of any one incoming electric power feeder will require curtailment of electrical loads and possible loss of another feeder through overload. This would jeopardize the missions of essential training and support activities.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 3-85
- (b) Percent Complete as of January 1986.......... 35
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete......................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(145)
- (b) All Other Design Costs........................(65)
- (c) Total.. 210
- (d) Contract.....................................(175)
- (e) In-house.....................................(35)

(4) Construction start........................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA	NAVAL FACILITIES ENGINEERING COMMAND	1.20

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	216	3793	2047	103	421	0	6	306	0	6892
b. END FY 19 91	216	3793	2047	139	632	0	5	305	0	7137

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,408)
b. INVENTORY TOTAL AS OF 30 SEP 1985	82,030
c. AUTHORIZATION NOT YET IN INVENTORY	32,810
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,120
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,230
f. PLANNED IN NEXT THREE PROGRAM YEARS	21,270
g. REMAINING DEFICIENCY	7,000
h. GRAND TOTAL	165,460

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.59	Abrasive Blast Facility	LS	300	9-85	5-86
610.10	Engineering Supp Facility	32,000 SF	3,140	6-85	7-86
724.12	Bachelor Officer Quarters	30,750 SF	3,040	12-85	8-86
730.83	Chapel	15,600 SF	0*	8-84	1-86
831.41	Hazardous Waste Facility	LS	640	9-85	6-86
	TOTAL		7,120		

* Prior year authorization: $2,040,000 appropriation amount request this program.

9. Future Projects:

a. Included in following program (FY 88):

218.20	Welding and Metal Shop	9,600 SF	800
441.10	Warehouse	72,000 SF	4,200
441.35	Sealift Support Storage	LS	6,900
451.10	Sealift Support Open Strg	LS	3,330
			15,230

b. Major planned next three years:

610.10	Headquarters Building	LS	5,500

10. Mission or Major Functions: Support the Naval Construction Force, fleet units and assigned organizational units deployed from, or homeported at the center; support mobilization requirements of the Naval Construction Force; store, preserve, and ship advanced base and mobilization stocks.

Naval Construction Regiment	Naval Construction Training Center
4 Naval Mobile Construction Battalions	Naval Civil Engineering Laboratory
Naval Ship Weapon Systems Engineering Station	

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	4,100

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA	4. PROJECT TITLE ENGINEERING SUPPORT FACILITY

5. PROGRAM ELEMENT 7 28 96 N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-452	8. PROJECT COST ($000) 3,140

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINEERING SUPPORT FACILITY	SF	32,000	82.00	2,620
SUPPORTING FACILITIES.	-	-	-	290
UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(200)
SUBTOTAL	-	-	-	2,910
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	3,050
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,220
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,140
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame and masonry building, concrete foundation and floors, built-up roof, fire protection system, mechanical ventilation and air conditioning, utilities, demolition of one building.

11. REQUIREMENT: 32,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 34,080 SF.

PROJECT: Constructs engineering facility for programs required to support the Naval Construction Force.

REQUIREMENT: Adequate facilities to provide engineering, technical, and logistical support to the Naval Shore Establishment, the operating forces of the Navy and other Defense Agencies. Space is necessary for management of material stocks, including civil engineer support equipment for the Naval Construction Force. Other functions include management and design for the Advanced Base Functional Components System; engineering support, procurement and management of DOD programs such as the Sealift Support Facilities Program; and criteria management of all Navy guide specifications for the different elements of facilities construction.

CURRENT SITUATION: Space deficiencies cause related functions to be seperated in two 40-year-old, wood-frame buildings. Both buildings were originally constructed as bachelor officer quarters, have small rooms with structural bearing partitions which cannot be removed, and are poorly insulated with highly deteriorated and outmoded utilities. The electrical wiring is totally inadequate to support equipment required for functions

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA		
4. PROJECT TITLE ENGINEERING SUPPORT FACILITY		5. PROJECT NUMBER P-452

11. **REQUIREMENT:** (Continued)
CURRENT SITUATION: (Continued)
now in these buildings. These conditions and the structural layout make these buildings unsuitable for rehabilitation.
IMPACT IF NOT PROVIDED: Personnel will continue to function in small, poorly configured, substantially inadequate spaces. Related functions will continue to be scattered, causing a detrimental effect on efficiency, productivity, and morale of personnel. These adverse conditions will be further aggravated by the assignment of additional personnel for new tasking in sealift support and engineering criteria management.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 6-85
(b) Percent Complete as of January 1986........... 45
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(155)
(b) All Other Design Costs..........................(75)
(c) Total... 230
(d) Contract..(215)
(e) In-house..(15)

(4) Construction start.......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA	4. PROJECT TITLE BACHELOR OFFICER QUARTERS

5. PROGRAM ELEMENT 7 28 96 N	6. CATEGORY CODE 724.12	7. PROJECT NUMBER P-392	8. PROJECT COST ($000) 3,040

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS.	SF	30,750	82.00	2,520
SUPPORTING FACILITIES.	-	-	-	320
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(140)
SUBTOTAL	-	-	-	2,840
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	2,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,150
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,040
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story reinforced concrete frame building, concrete foundation and floors, masonry walls, built-up roof, fire protection system, ventilation, utilities; suites for junior officers have a combination living-bedroom, bathroom, and a pullman type kitchen; suites for senior officers have a living room, bedroom, bathroom, and kitchen; lounges, laundry, storage, vending, mechanical equipment.

Grade Mix: 14 W1-02, 34 03-above. TOTAL: 48.

11. REQUIREMENT: 166 PN. ADEQUATE: 110 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for 48 officer personnel.

REQUIREMENT: Adequate housing for 166 officer personnel.

CURRENT SITUATION: Existing berthing capacity of 110 spaces, includes 48 adequate on base assets and accommodations found by 62 personnel in the local community. These are insufficient to house student and transient officers attending Civil Engineers Corps Officers School (CECOS). Team participation is essential in many of the courses at CECOS, and students must be available to participate in team assignments during off-duty hours. A new construction deficiency of 56 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining eight projected space deficit will be satisfied by the civilian community. All projected space requirements are revalidated annually by a new survey which updates planning projections.

(Continued on DD 1391c)

U.S. Government Printing Office: [illegible]

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA		
4. PROJECT TITLE BACHELOR OFFICER QUARTERS		5. PROJECT NUMBER P-392

11. **REQUIREMENT:** (Continued)
IMPACT IF NOT PROVIDED: Adequate living quarters for all officer personnel will continue to be unavailable, resulting in degradation of morale, training and career retention efforts.

12. **SUPPLEMENTAL DATA:**

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 12-85
(b) Percent Complete as of January 1986............ 35
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete............................ 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(130)
(b) All Other Design Costs..........................(90)
(c) Total.. 220
(d) Contract..(200)
(e) In-house..(20)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA		4. PROJECT TITLE CHAPEL

5. PROGRAM ELEMENT 7 28 96 N	6. CATEGORY CODE 730.83	7. PROJECT NUMBER P-081	8. PROJECT COST ($000) AUTH: 0* APPR: 2,040

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHAPEL	SF	15,600	96.00	1,500
SUPPORTING FACILITIES	-	-	-	380
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
DEMOLITION	LS	-	-	(50)
SUBTOTAL	-	-	-	1,880
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,970
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	105
TOTAL REQUEST	-	-	-	2,075
REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	2,040
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

* $2,080,000 authorized in FY 1986 Program.

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-level reinforced concrete and masonry building, concrete foundation and floor, built-up roof, fire protection system, utilities; religious education space; demolition of four buildings.

11. REQUIREMENT: 15,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 13,840 SF.

PROJECT: Provides a 350-seat chapel complex consisting of main sanctuary, a smaller chapel, religious activity spaces, offices and pastoral counseling spaces, and associated administrative support offices.

REQUIREMENT: The command's religious program does not meet the needs of military personnel and their dependents. Religious needs include religious education, pastoral counseling, a variety of religious services, both general and denominational, and special programs.

CURRENT SITUATION: The current chapel is a 40 year-old metal building, substandard, inadequate structurally and functionally. It is too small, providing only 170 seats, poorly arranged, and unsafe. Although well-maintained in appearance, wiring and fire hazards are dangerous. Arrangement for worship is dictated by the spaces, making some worshippers uncomfortable because of inflexibility and denominational orientation of the spaces. Classrooms for religious education are hazardous because of insufficient exits and overcrowding of undersized rooms. Modifications and further major repairs are not economically justifiable.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA		
4. PROJECT TITLE CHAPEL		5. PROJECT NUMBER P-081

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: The small size of the chapel will continue to inhibit an adequate religious program. The danger of putting small children in firetraps for their religious education represents an untenable atmosphere. The restrictions of the program caused by the spatial configuration and the unsuitability of the space for certain types of worship, severely impact on the ability of many to worship without undue hindrance or objectionable elements which cannot be overcome by trying to further upgrade a bad facility.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 8-84
- (b) Percent Complete as of January 1986........... 100
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete............................ 1-86

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(115)
- (b) All Other Design Costs........................(80)
- (c) Total... 195
- (d) Contract..(185)
- (e) In-house..(10)

(4) Construction start.......................... 10-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, SAN FRANCISCO, CALIFORNIA	4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND	5. AREA CONSTR. COST INDEX 1.25

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	12	5	1498	0	0	0	0	0	0	1515
b. END FY 19 91	19	5	1498	0	0	0	0	0	0	1522

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(696)
b. INVENTORY TOTAL AS OF 30 SEP 1985	104,400
c. AUTHORIZATION NOT YET IN INVENTORY	24,420
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	47,200
g. REMAINING DEFICIENCY	15,800
h. GRAND TOTAL	213,070

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
219.10	Noise Attenuation	LS	450	8-85	4-86
	TOTAL		450		

9. **Future Projects:**

a. Included in following program (FY 88):

214.20	Transportation Shops	LS	14,000
812.30	Elect Power System Imprs	LS	6,800
			20,800

b. Major planned next three years:

610.10	Fleet Supp Management Ctr	LS	12,600
812.12	Pier Utilities	LS	12,300
832.10	Sewer Relocation	LS	6,100

10. **Mission or Major Functions:** Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support, and all other logistic support of a public works nature, incident thereto, required by the operating forces, dependent activities, and other commands served by the Navy Public Works Center.

11. **Outstanding pollution and safety deficiencies:** ($000)

a. Air pollution:	0
b. Water pollution:	1,380
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

NAVAL SEA SYSTEMS COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL SEA SYSTEMS COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NSY Charleston, SC	690	Drydock Pumphouse Alterations	$ 7,860	$ 7,860	527
	206	Hazardous and Flammable Materials Storehouse	2,950	2,950	529
		Subtotal	10,810	10,810	
NWS Charleston, SC	777	Pier Improvements	6,130	6,130	532
	888	Consolidated Brig	16,500	16,500	534
		Subtotal	22,630	22,630	
NWS Concord, CA	267	Missile Test Cells	790	790	763
		Subtotal	790	790	
NWSC Crane, IN	235	Fleet Microwave Support Center	6,880	6,880	538
		Subtotal	6,880	6,880	
NWS Earle, NJ	835	Ammunition Pier and Trestle	52,500	52,500	541
	889	Fleet Support Facilities	1,960	1,960	544
	878	Security Tower	300	300	775
		Subtotal	54,760	54,760	
NOS Indian Head, MD	836	Propellant Facilities Upgrade	3,680	3,680	547
	975	Oil Spill Prevention	500	500	753
		Subtotal	4,180	4,180	
NUWES Keyport, WA	202	Missile Magazines	5,890	5,890	550
		Subtotal	5,890	5,890	
Portsmouth NSY, Kittery, ME	225	Refueling Crane	6,190	6,190	553
	215	Hazardous Material Storage and Handling Facility	5,100	5,100	555
	145	Engineering Management Building	10,900	10,900	557
	196	Logistics Support Facility Alterations	980	980	772
		Subtotal	23,170	23,170	
NSY Long Beach, CA	183	Electrical System Evaluation Facility	1,180	1,180	560
	215	Hazardous Waste Facility	2,450	2,450	750
		Subtotal	3,630	3,630	
NAVSEACOMSYSENGSTA Norfolk, VA	317	Shipboard Electronics Systems Evaluation Facility	980	980	780
		Subtotal	980	980	

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL SEA SYSTEMS COMMAND INDEX (CONTINUED)
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
SUPSHIP Pascagoula, MS	001	Land Acquisition and Building Modernization	$ 4,120	$ 4,120	565
		Subtotal	4,120	4,120	
NAVSHIPSYSENGSTA Philadelphia, PA	521	Electrical Distribution System Improvements	400	400	777
		Subtotal	400	400	
Norfolk NSY Portsmouth, VA	275	Bachelor Enlisted Quarters	5,900	5,900	569
		Subtotal	5,900	5,900	
NWS Seal Beach, CA	112	Quality Evaluation Laboratory	6,100	6,100	572
		Subtotal	6,100	6,100	
NWS Yorktown, VA	410	Missile Storage Facilities	4,220	4,220	576
		Subtotal	4,220	4,220	
TOTAL - NAVAL SEA SYSTEMS COMMAND			154,460	154,460	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON NAVAL SHIPYARD, CHARLESTON, SOUTH CAROLINA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 0.81

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	46	13	8400	0	0	0	0	0	0	8459
b. END FY 1991	53	15	8400	0	0	0	0	0	0	8468

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,922)
b. INVENTORY TOTAL AS OF 30 SEP 1985	208,690
c. AUTHORIZATION NOT YET IN INVENTORY	38,150
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,810
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	17,560
f. PLANNED IN NEXT THREE PROGRAM YEARS	71,320
g. REMAINING DEFICIENCY	74,330
h. GRAND TOTAL	420,860

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.67	Drydock Pumphouse Alts	LS	7,860	5-85	9-86
441.30	Hazardous & Flammable Materials Storehouse	23,660 SF	2,950	11-83	10-86
	TOTAL		10,810		

9. Future Projects:

a. Included in following program (FY 88):

151.50	Pier Service Tunnel	LS	16,700
841.10	Water Treatment Facs	LS	860
			17,560

b. Major planned next three years:

213.48	Quality Assurance Lab	33,000 SF	14,000
213.54	Elec Electronic Shops Addn	200,000 SF	11,000
843.10	Fire Protection System	LS	14,300

10. Mission or Major Functions: Maintenance and overhaul of surface ships and modern attack and fleet ballistic missile submarines. Logistic support provided includes conversion, overhaul, repair, alterations, drydocking of surface ships and modern submarines. The yard also provides support for anti-air, anti-submarine, and submarine warfare weapon systems.

11. Outstanding pollution and safety deficiencies: ($000)

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health (OSH):	540

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION CHARLESTON NAVAL SHIPYARD, CHARLESTON, SOUTH CAROLINA	4. PROJECT TITLE DRYDOCK PUMPHOUSE ALTERATIONS

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 213.67	7. PROJECT NUMBER P-690	8. PROJECT COST ($000) 7,860

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DRYDOCK PUMPHOUSE ALTERATIONS.	LS	-	-	5,930
PUMPHOUSE FACILITY	LS	-	-	(890)
ELECTRICAL EQUIPMENT	LS	-	-	(650)
MECHANICAL EQUIPMENT	LS	-	-	(4,300)
TECHNICAL OPERATING MANUALS.	LS	-	-	(90)
SUPPORTING FACILITIES.	-	-	-	1,320
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(550)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(150)
DEMOLITION AND RELOCATION.	LS	-	-	(620)
SUBTOTAL	-	-	-	7,250
CONTINGENCY (5%)	-	-	-	360
TOTAL CONTRACT COST.	-	-	-	7,610
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	420
TOTAL REQUEST.	-	-	-	8,030
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	7,860
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide new mechanical and electrical pumping equipment for dewatering and floor drainage; construct reinforced concrete electrical building; install dewatering system; install floor drainage system; sewage pump-out services; dehumidification; relocate steam generator complex facilities, demolition of one building and equipment.

11. REQUIREMENT: As Required.

PROJECT: Alter and interconnect Pumphouse (pumpwell) One with Pumphouse Two for more effective use of both in dewatering drydocks one and two.

REQUIREMENT: Insure safety of vessels in drydock as well as people working in the dock. Support drydock one with adequate dewatering and flooding pump capacity to continue it in safe and reliable service for the forseeable future for repairing and overhauling submarines and surface ships.

CURRENT SITUATION: Existing pumpwell station one was built in 1908. The component equipment for flooding and dewatering has been replaced incrementally. Failures are more frequent than in the past and are now difficult to maintain as parts are scarce or unobtainable. Facilities are aged, small, and leak, permitting water seepage to cause high humidity around obsolete mechanical and electrical systems, contributing to constant maintenance problems. Discharge pumps rated at 35,000 gallons per minute operate at 20,000 gallons per minute and function with no check valves. The existing structure was not designed for seismic or hurricane flooding conditions.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON NAVAL SHIPYARD, CHARLESTON, SOUTH CAROLINA		
4. PROJECT TITLE DRYDOCK PUMPHOUSE ALTERATIONS		5. PROJECT NUMBER P-690

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Ship repair schedules for vessels programmed for the shipyard will be impaired by failure to provide a modern pumping station for dewatering the drydock. Failure of the pumps during docking operations could injure people and damage ships.
ADDITIONAL: Engineering analysis of alternative technical solutions concluded it is more economical to alter pumphouse one, at a reduced pumping capacity but with an interconnect to pumphouse two, than to completely replace pumphouse one.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 5-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (550)
(b) All Other Design Costs......................... (215)
(c) Total.. 765
(d) Contract....................................... (685)
(e) In-house....................................... (80)

(4) Construction start......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION CHARLESTON NAVAL SHIPYARD, CHARLESTON, SOUTH CAROLINA	4. PROJECT TITLE HAZARDOUS AND FLAMMABLE MATERIALS STOREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
7 20 96 N	441.30	P-206	2,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HAZARDOUS AND FLAMMABLE MATERIALS STOREHOUSE	SF	23,660	-	1,920
BUILDING	SF	23,660	61.00	(1,430)
RETRIEVAL EQUIPMENT WITH RACKS	LS	-	-	(270)
PUBLIC WORKS SHOP.	LS	-	-	(180)
GARBAGE STERILIZATION FACILITY	LS	-	-	(40)
SUPPORTING FACILITIES.	-	-	-	810
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(550)
ELECTRICAL UTILITIES	LS	-	-	(50)
MECHANICAL UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(70)
SUBTOTAL	-	-	-	2,730
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,870
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,030
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building with a 32-foot stacking height, pile foundation, concrete floor, precast concrete panel walls, single ply roofing with ballast, high density automatic wet pipe sprinkler fire protection system, materials handling equipment for automated storage and retrieval system; air conditioning, utilities; demolition of one building.

11. REQUIREMENT: 23,660 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides facility for storage of hazardous chemicals and flammable liquids.

REQUIREMENT: Adequate and central facility to retain flammable liquids and hazardous chemicals until they are transported elsewhere. The Charleston Naval Shipyard is a modern industrial facility dedicated to the direct support of the fleet. The shipyard must have a safe adequate storage facility to store hazardous materials and a facility large enough to store flammable liquids that are not being used. Many of the industrial processes performed by the shipyard require the use of hazardous chemicals and flammable liquids.

CURRENT SITUATION: The naval shipyard is dependent upon a storage system for hazardous chemicals and flammable liquids that does not satisfy standards for storage of either type material. Hazardous chemicals are presently inadequately stored in various locations in the shipyard. None of these facilities comply with OSH regulations for storage of hazardous chemicals and flammable liquids.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON NAVAL SHIPYARD, CHARLESTON, SOUTH CAROLINA		
4. PROJECT TITLE HAZARDOUS AND FLAMMABLE MATERIALS STOREHOUSE		5. PROJECT NUMBER P-206

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: A central facility will not be available to properly store hazardous and flammable materials in compliance with OSH regulations in an efficient way to protect shipyard personnel and to prevent a potentially catastrophic accident.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 11-83
- (b) Percent Complete as of January 1986.......... 80
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete.............................. 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (120)
- (b) All Other Design Costs.............................. (45)
- (c) Total... 165
- (d) Contract.. (145)
- (e) In-house.. (20)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 0.81

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	142	2629	1092	0	0	0	2	18	0	3883
b. END FY 1991	149	2737	988	20	480	0	2	18	0	4394

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (17,535)
b. INVENTORY TOTAL AS OF 30 SEP 1985 228,340
c. AUTHORIZATION NOT YET IN INVENTORY 7,600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 22,630
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 15,500
f. PLANNED IN NEXT THREE PROGRAM YEARS 12,000
g. REMAINING DEFICIENCY 3,500
h. GRAND TOTAL 289,570

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
151.20	Pier Improvements	LS	6,130	5-85	6-86
730.15	Consolidated Brig	191,000 SF	16,500	8-85	8-86
	TOTAL		22,630		

9. Future Projects:

a. Included in following program (FY 88):

216.40	Torpedo Facility	13,750 SF	3,350
216.40	Vertical Launch Facility	LS	3,750
421.22	High Explosive Magazine	8,890 SF	1,750
451.10	Sealift Support Open Storage	130,000 SY	2,300
851.10	Missile Facility Road	LS	4,350
			15,500

10. Mission or Major Functions: Receive, reissue, and maintain guided missiles, anti-submarine weapons, conventional ammunition, and operate and maintain a family housing complex with community support facilities. Provide logistic and port terminal services in support of two ammunition ships (AE), one SSBN tender (AS), and one floating dry dock (ARDM).

POMFLANT Charleston

11. Outstanding pollution and safety deficiencies: ($000)

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA	4. PROJECT TITLE PIER IMPROVEMENTS

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 151.20	7. PROJECT NUMBER P-777	8. PROJECT COST ($000) 6,130

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PIER IMPROVEMENTS.	LS	-	-	3,330
PIER	SY	2,070	1,010	(2,100)
MODIFY EXISTING PIER	LS	-	-	(230)
MARINE SPECIAL MOORING	LS	-	-	(1,000)
SUPPORTING FACILITIES.	-	-	-	2,300
ELECTRICAL UTILITIES	LS	-	-	(1,400)
MECHANICAL UTILITIES	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(660)
SUBTOTAL	-	-	-	5,630
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST.	-	-	-	5,910
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	330
TOTAL REQUEST.	-	-	-	6,240
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	6,130
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(206,100)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete pier deck on prestressed concrete piling and concrete caps, pier will be 325 feet long and 25 feet wide with an approach pier 25 feet wide and 300 feet long, fender system; refurbish portions of existing pier; survival mooring system; fire protection system, utilities including electrical service, potable water, sanitary piping.

11. REQUIREMENT: As Required.

PROJECT: Constructs pier and approach pier, modifies portions of existing pier, provides survival mooring system, and upgrades electrical utility system serving piers.

REQUIREMENT: Dedicated berthing for specialized stationary training vessel and support craft for essential training of shipboard personnel. (Complete requirement statement is contained in a classified document.)

CURRENT SITUATION: Existing pier is in a caretaker status and available for upgrade to serve a new training mission.

IMPACT IF NOT PROVIDED: Training vessel and support craft could not be collocated at a selected site to meet security, safety, and accessibility requirements. No other site is considered acceptable. Not providing the pier upgrades would prevent completion of the approved program, thereby denying the Navy properly trained and qualified shipboard personnel required for ship manning.

ADDITIONAL: This DD Form 1391 identifies project and requirement in an unclassified context only. Complete justification document is classified and will be submitted under separate cover upon request.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA		
4. PROJECT TITLE PIER IMPROVEMENTS		5. PROJECT NUMBER P-777

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started........................... 5-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (235)
(b) All Other Design Costs......................... (170)
(c) Total.. 405
(d) Contract....................................... (345)
(e) In-house....................................... (60)

(4) Construction start......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Classified	SCN(BA-5)	1985-1987	206,100

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA	4. PROJECT TITLE CONSOLIDATED BRIG

5. PROGRAM ELEMENT 8 57 96 N	6. CATEGORY CODE 730.15	7. PROJECT NUMBER P-888	8. PROJECT COST ($000) 16,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSOLIDATED BRIG.	SF	191,000	-	13,830
HOUSING.	SF	94,000	77.00	(7,240)
ADMINISTRATIVE AND TRAINING.	SF	80,000	73.00	(5,840)
SUPPORT SPACE.	SF	17,000	44.00	(750)
SUPPORTING FACILITIES.	-	-	-	1,330
ELECTRICAL UTILITIES	LS	-	-	(170)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(870)
DEMOLITION	LS	-	-	(220)
SUBTOTAL	-	-	-	15,160
CONTINGENCY (5%)	-	-	-	760
TOTAL CONTRACT COST.	-	-	-	15,920
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	880
TOTAL REQUEST.	-	-	-	16,800
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	16,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame building, concrete foundations and floors, masonry walls, built-up roofs, prisoner berthing space for 365 males and 35 females, dining, training, religious, medical, recreational, library, administration and counseling; air conditioning, fire protection system, utilities; demolition of eight buildings.

11. REQUIREMENT: 191,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a consolidated brig to house prisoners with sentences of thirty days to one year.

REQUIREMENT: A recently completed study of the Navy penal system recommended the Navy establish a three tier confinement system. Small facilities at major fleet concentrations to house prisoners with sentences of thirty days or less who will be returning to duty, larger consolidated facilities for prisoners with sentences of thirty days to one year, and non-Navy facilities for long termers with sentences over one year. A 400 person consolidated brig on the east coast is required to implement the proposed disciplinary system.

CURRENT SITUATION: No facility exists which can serve as the consolidated brig.

IMPACT IF NOT PROVIDED: The proposed disciplinary system plan cannot be implemented.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA		
4. PROJECT TITLE CONSOLIDATED BRIG		5. PROJECT NUMBER P-888

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 8-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(655)
(b) All Other Design Costs..........................(130)
(c) Total... 785
(d) Contract..(755)
(e) In-house..(30)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CONCORD, CALIFORNIA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.25

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	159	2953	1196	0	0	0	0	0	0	4308
b. END 1	159	2953	1213	0	0	0	0	0	0	4325

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,023)
b. INVENTORY TOTAL AS OF 30 SEP 1985	92,590
c. AUTHORIZATION NOT YET IN INVENTORY	2,140
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	790
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,700
f. PLANNED IN NEXT THREE PROGRAM YEARS	47,880
g. REMAINING DEFICIENCY	37,410
h. GRAND TOTAL	184,510

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
212.10	Missile Test Cells	LS	790	10-85	9-86
	TOTAL		790		

9. Future Projects:

a. Included in following program (FY 88):

421.72	Missile Test Cell	LS	700
841.40	Water System Improvements	LS	3,000
			3,700

b. Major planned next three years:

148.35	Explosive Holding Yard	LS	13,800
116.55	Explosive Holding Pads	LS	12,000
421.72	Missile Magazines	LS	4,000

10. Mission or Major Functions: Maintenance and quality evaluation engineering of missiles and other military explosives. Storage and transshipment of ordnance. Maintenance and testing of ordnance handling and shipping equipments. Design, development and procurement of ordnance test systems. Support homeported ammunition ships.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.10

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	19	37	3834	0	0	0	0	0	0	3890
b. END FY 1991	20	40	3248	0	0	0	0	0	0	3308

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (62,511)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	125,840
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,880
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	10,730
f. PLANNED IN NEXT THREE PROGRAM YEARS	25,000
g. REMAINING DEFICIENCY	21,000
h. GRAND TOTAL	189,450

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217.10	Fleet Microwave Supp Ctr	62,400 SF	6,880	10-85	6-86
	TOTAL		6,880		

9. Future Projects:

a. Included in following program (FY 88):

215.10	Weapons Develop & Test Fac	18,380 SF	1,250
216.60	Lithium Battery Test Fac	23,800 SF	2,850
217.10	Electronic Sys Eval Fac	10,000 SF	950
610.20	Data Processing Facility	39,270 SF	4,700
851.20	Replace Vehicular Bridges	LS	980
			10,730

10. Mission or Major Functions: Provide material, technical and logistics support for ships and equipment, shipboard weapons systems and assigned expendable and nonexpendable ordnance items, including small arms, fire control, anti-submarine warfare, pyrotechnics, electronic warfare, fleet ballistic missile systems, electronic components such as batteries, microwave tubes, missile components, and rotating components (gyros), conventional ammunition, gun systems, and missiles.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	400

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	4. PROJECT TITLE FLEET MICROWAVE SUPPORT CENTER

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 217.10	7. PROJECT NUMBER P-235	8. PROJECT COST ($000) 6,880

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLEET MICROWAVE SUPPORT CENTER	SF	62,400	-	5,700
BUILDING	SF	62,400	75.00	(4,660)
BUILT-IN EQUIPMENT	LS	-	-	(1,040)
SUPPORTING FACILITIES.	-	-	-	620
UTILITIES.	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(380)
SUBTOTAL	-	-	-	6,320
CONTINGENCY (5%)	-	-	-	320
TOTAL CONTRACT COST.	-	-	-	6,640
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	360
TOTAL REQUEST.	-	-	-	7,000
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	6,880
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(3,900)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete floor and foundation, masonry walls, metal roof, computer flooring, monorail and hoist, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 62,400 SF. ADEQUATE: 0 SF. SUBSTANDARD: 26,100 SF.

PROJECT: Constructs a microwave tube acquisition, testing and engineering facility to support the AEGIS microwave tube workload.

REQUIREMENT: Adequate facilities for the reliability and performance testing, inspection, minor repair, engineering, procurement, distribution and tracking of high power microwave tubes vital to the AEGIS shipboard weapon system. Because of the critical role they play in fleet protection and their high-cost, these tubes undergo extensive testing. Testing results in a high quality-assurance level as well as increasing price competition between the microwave tube suppliers. Crane is the only DOD facility conducting these tests. Crane tests tubes for several gun firing control systems, electronic countermeasure systems, and radars.

CURRENT SITUATION: Existing facilities are fully utilized. The number of AEGIS microwave tubes processed annually will increase from 2,400 in 1984, to 4,600 in 1987, and to over 10,000 tubes in 1996. This growth is because of the increase in the number of AEGIS ships entering the fleet. Microwave tubes purchased in 1984 totalled over $55,000,000. In 1989, over $95,000,000 will be spent for these tubes. The microwave tube operation occupies space scattered among three floors of an old warehouse and

(Continued on DD 1391c)

1. COMPONENT		2. DATE
NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	

3. INSTALLATION AND LOCATION

NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA

4. PROJECT TITLE	5. PROJECT NUMBER
FLEET MICROWAVE SUPPORT CENTER	P-235

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
a second building four miles away. More floor space is needed for additional equipment to test tubes and to handle the increased workload. Because of a space deficiency, necessary tests cannot be performed at the existing facilities. High voltage cabinets required to conduct microwave tube testing are too close to work spaces, posing an extreme electrical hazard to personnel.

IMPACT IF NOT PROVIDED: The increasing AEGIS microwave tube workload cannot be accommodated and testing requirements must be severely downgraded. Inadequate testing capability and longer response time could result in serious combat systems problems and deficiencies encountered during fleet operations of AEGIS ships.

ADDITIONAL: An economic analysis has been prepared for this project and indicates a payback period of about 4 years.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................10-85
(b) Percent Complete as of January 1986............35
(c) Percent Complete as of October 1986............100
(d) Date Design Complete............................6-86
(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______
(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(290)
(b) All Other Design Costs..........................(155)
(c) Total...445
(d) Contract..(400)
(e) In-house..(45)
(4) Construction start..............................12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Special Tooling & Test Equipment	OPN(BA-7)	1987	3,900

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, EARLE, NEW JERSEY	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.10

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	115	1403	787	0	0	0	0	0	0	2305
b. END FY 1991	185	3243	737	0	0	0	0	0	0	4165

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(11,158)
b. INVENTORY TOTAL AS OF 30 SEP 1985	77,170
c. AUTHORIZATION NOT YET IN INVENTORY	14,420
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	54,760
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	27,930
f. PLANNED IN NEXT THREE PROGRAM YEARS	60,000
g. REMAINING DEFICIENCY	2,000
h. GRAND TOTAL	236,280

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
151.20	Ammunition Pier & Trestle	1,800 FB	52,500	7-85	10-86
610.10	Fleet Support Facilities	35,700 SF	1,960	4-85	8-86
872.20	Security Tower	LS	300	4-85	4-86
	TOTAL		54,760		

9. Future Projects:

	a. Included in following program (FY 88):		
165.10	Dredging (Phase I)	LS	27,000
740.74	Child Care Center	LS	930
			27,930
	b. Major planned next three years:		
165.10	Dredging (Phase II)	LS	18,000
411.30	Fuel Farm	LS	25,000
421.72	Missile Magazines	LS	13,400

10. Mission or Major Functions: Receive, renovate, maintain, store, and issue ammunition, explosives, expendable ordnance items, weapons, and technical ordnance material. Maintain basic and war reserve ammunition stocks. Act as overseas ammunition transshipment point for Armed Forces. Conduct RDT&E in-service engineering and fleet support for packaging, handling, storage, and transportation of ammunition. Provide logistics and port terminal services in support of homeported ammunition ships.

11. Outstanding pollution and safety deficiencies: ($000)

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, EARLE, NEW JERSEY		4. PROJECT TITLE AMMUNITION PIER AND TRESTLE	
5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 151.20	7. PROJECT NUMBER P-835	8. PROJECT COST ($000) 52,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AMMUNITION PIER AND TRESTLE.	FB	1,800	-	46,460
PIER AND RAILROAD TRESTLE.	SY	21,320	1,670	(35,600)
RAILROAD TRACK	LF	2,840	1,460	(4,150)
PIER UTILITIES	LF	2,840	2,360	(6,710)
SUPPORTING FACILITIES.	-	-	-	1,770
SUPPORT BUILDINGS.	LS	-	-	(890)
UTILITIES.	LS	-	-	(880)
SUBTOTAL	-	-	-	48,230
CONTINGENCY (5%).	-	-	-	2,410
TOTAL CONTRACT COST.	-	-	-	50,640
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	2,780
TOTAL REQUEST.	-	-	-	53,420
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	52,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete trestle, 1,937 feet long and 34 feet wide, two-railroad track system; reinforced concrete pier, 900 feet long and 140 feet wide, six-railroad spur-tracks; fire protection system, utilities; fender pile system.

11. REQUIREMENT: 5,770 FB. ADEQUATE: 3,970 FB. SUBSTANDARD: 0 FB.

PROJECT: Constructs pier with connecting trestle including berthing utilities.

REQUIREMENT: Long-term homeport berthing for three ammunition ships (AE's) and three fast combat support ships (AOE's) which resupply the Atlantic Fleet while underway with ammunition, fuel, and other vital provisions. A maximum of two AE's and two AOE's will be in port at one time. There exists a serious explosive safety hazard to Atlantic Fleet ships and naval personnel in Norfolk because of homeporting two of the AOE's. The Navy has determined the best solution to this problem is to relocate the homeport for the two AOE's to Earle where sufficient safety clearance exists to protect ships and personnel unassociated with ammunition operations. Two newly constructed AOE's will enter the fleet by the early 1990's. At least one of these ships will be homeported at Earle. Subsequent requests will be made to provide dredging, fuel storage facilities, and magazines.

CURRENT SITUATION: Three AE's are homeported at Earle and fully utilize Pier 2. Pier 3, the other deep draft pier, is used for loading combatants and foreign military sales. It has no ship utilities and the berths cannot

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, EARLE, NEW JERSEY		
4. PROJECT TITLE AMMUNITION PIER AND TRESTLE		5. PROJECT NUMBER P-835

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
be dredged deeper for an AOE because of pier piling lengths. Two AOE's are berthed at Norfolk under an explosive safety waiver. The severe safety hazard these ships present threatens the mission capability of the Atlantic Fleet. A fully loaded AOE berthed at Norfolk exposes about 20,000 personnel to a potentially hazardous situation. Efforts are underway to transfer these two ships to Earle. Having more than one AOE and one AE in port will necessitate berthing at Pier 3 where there are no ship utilities and interference will be created with combatant ship loading operations. Nesting of large ammunition ships is ruled out as impractical because of safety considerations and the adverse impact on ship maintenance, utility, and fuel line connections, and onloading of supplies and equipment. A final environmental impact statement was prepared and filed with the Environmental Protection Agency.

IMPACT IF NOT PROVIDED: AOE's will have to limit their cargo fuel, taking them out of an operational readiness state for resupplying the fleet. The newly constructed AOE entering the fleet in the early 1990's will not have an adequate homeport, resulting in additional loading and downloading costs.

ADDITIONAL: The costs of nine alternative configurations for the pier were examined. The cost variation between the optimum layout considering explosive safety quantity-distance criteria and a layout which provided adequate spacing considering navigation only was about $50 million. The former provides an arrangement which would minimize the risk to ships moored at one pier should a major accident occur at the other. The latter accepts the risk of loss of all ships present and all piers should a major accident occur at either pier. This project request is based on the lower cost alternative and provides better operational and maintenance characteristics. A waiver of ship separation distances is required.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 7-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ____________

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, EARLE, NEW JERSEY		
4. PROJECT TITLE AMMUNITION PIER AND TRESTLE		5. PROJECT NUMBER P-835

12. SUPPLEMENTAL DATA: (Continued)

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	(1,955)
(b) All Other Design Costs	(680)
(c) Total	2,635
(d) Contract	(2,420)
(e) In-house	(215)

(4) Construction start........................ 3-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, EARLE, NEW JERSEY	4. PROJECT TITLE FLEET SUPPORT FACILITIES

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-889	8. PROJECT COST ($000) 1,960

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLEET SUPPORT FACILITIES	SF	35,700	-	1,360
ADMINISTRATIVE, MEDICAL, DENTAL, TRAINING.	SF	19,430	45.00	(870)
SIMA	SF	12,170	18.00	(220)
TORPEDO WAREHOUSE ADDITION	SF	4,100	66.00	(270)
SUPPORTING FACILITIES.	-	-	-	440
ELECTRICAL UTILITIES	LS	-	-	(50)
MECHANICAL UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(330)
SUBTOTAL	-	-	-	1,800
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	1,900
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	100
TOTAL REQUEST.	-	-	-	2,000
REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	1,960
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building additions, conversion and alterations of buildings interiors and exteriors, heating, ventilation, modifications and additions to air conditioning, lightning protection, fire protection system, utilities upgrade.

11. REQUIREMENT: 35,700 SF. ADEQUATE: 0 SF. SUBSTANDARD: 4,810 SF.

PROJECT: Converts buildings at waterfront area to administrative, storage, training, medical and dental, and shop spaces, and provides secure and daily vehicle parking. Additions to production building at inland site for torpedo maintenance functions.

REQUIREMENT: Adequate facilities for logistics, operations, and maintenance support for a service ship squadron of three ammunition ships (AE's) and two fast combat support ships (AOE's). These ships resupply the underway Atlantic Fleet combatants with ammunition, fuel, and other vital provisions. The waterfront area, where the three AE's are now homeported, is located 15 miles from the main station. The two AOE's will be relocated from Norfolk to Earle starting in late 1986 to eliminate a severe explosive safety hazard at Norfolk. This will increase the military personnel loading at the waterfront. Included in the requirement are medical and dental facilities for 2,200 active duty military personnel on-board the ships and assigned to the waterfront area. Long-term secure vehicle parking is necessary for automobiles of personnel deployed on the

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, EARLE, NEW JERSEY		
4. PROJECT TITLE FLEET SUPPORT FACILITIES		5. PROJECT NUMBER P-889

11. REQUIREMENT: (Continued)
homeported ships. Daily vehicle parking area is needed for waterfront activity personnel and visitors. Additions to production building for pre-maintenance visual inspection, and storage functions related to MK46 MOD 5 torpedo workload.
CURRENT SITUATION: There are presently no vacant facilities at the waterfront to support the service ship squadron. However, space will be vacated in early 1987 by relocating the weapons handling center to the main station. The weapons handling center now occupies five structurally sound, permanent buildings utilizing much of the available waterfront land area. Land suitable for building at the waterfront is at a premium, and new facility construction costs would be higher because of the need for special building foundations and the unsuitable soil conditions. Siting new buildings at the waterfront would subtract from space needed for the parking areas.
IMPACT IF NOT PROVIDED: Necessary administrative, training, ship and personnel support facilities will not be available for Navy personnel. The relocation of the AOE's to Earle might be delayed, thus perpetuating the severe explosive-safety hazard at Norfolk. Torpedo reception and visual inspection functions remain separated from production building housing maintenance lines.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 4-85
(b) Percent Complete as of January 1986............ 40
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete............................ 8-86
(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______
(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (75)
(b) All Other Design Costs.......................... (55)
(c) Total.. 130
(d) Contract.. (105)
(e) In-house.. (25)
(4) Construction start.............................. 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT		2. DATE
NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL ORDNANCE STATION, INDIAN HEAD, MARYLAND	NAVAL SEA SYSTEMS COMMAND	1.03

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	61	301	2401	61	366	0	0	0	0	3190
b. END FY 19 91	78	456	2248	138	745	0	0	0	0	3665

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,404)
b. INVENTORY TOTAL AS OF 30 SEP 1985	113,140
c. AUTHORIZATION NOT YET IN INVENTORY	29,870
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,180
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	47,950
g. REMAINING DEFICIENCY	13,500
h. GRAND TOTAL	213,940

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
226.65	Propellant Facilities Upgrade	LS	3,680	7-85	4-86
871.25	Oil Spill Prevention	LS	500	8-85	3-86
	TOTAL		4,180		

9. Future Projects:

a. Included in following program (FY 88):

722.10	Mess Hall and Addition	LS	5,300
			5,300

b. Major planned next three years:

226.55	Curing Facility	LS	10,500
226.65	Nitration Facility	LS	14,700
441.10	Supply Facility	LS	6,200
721.11	Bachelor Enlisted Quarters	LS	3,550

10. Mission or Major Functions: Provide material and technical support for weapon systems, weapons or components. Maintain and operate facilities for mixing, blending, casting and extruding chemicals, propellants and explosives and for the assembly and test of rocket and missile motors. Conduct research in propellants, explosives and related fields, including producing pilot plant quantities of new chemicals. Repair, rework, and modify fleet returned guided missile propulsion units. Provide logistic support for the Naval Explosive Ordnance Disposal Facility and the Naval School, Explosive Ordnance Disposal.

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	1,300
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL ORDNANCE STATION, INDIAN HEAD, MARYLAND	4. PROJECT TITLE PROPELLANT FACILITIES UPGRADE

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 226.65	7. PROJECT NUMBER P-836	8. PROJECT COST ($000) 3,680

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROPELLANT FACILITIES UPGRADE.	LS	-	-	2,880
CURING BUILDING.	SF	2,620	210.00	(550)
EXPLOSIVE SAFETY BARRICADES.	LS	-	-	(2,330)
SUPPORTING FACILITIES.	-	-	-	500
UTILITIES.	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(340)
SUBTOTAL	-	-	-	3,380
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST.	-	-	-	3,550
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,750
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,680
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete building, concrete foundation and floor, frangible roof and one frangible wall, fire protection system, utilities; earth-filled metal bin barricades on reinforced concrete pads, relocation of electrical utilities, access roads.

11. REQUIREMENT: As Required.

PROJECT: Constructs a high-temperature curing building and provides explosive safety barricades around seven propellant drying buildings.

REQUIREMENT: Adequate protection for 209 people in and around the propellant drying process and 34 nearby buildings. The barricades will allow the dry-houses to be filled to their designed capacities necessary for meeting production rates for current and future programs. The dry-houses are used for making main propellant ingredients. The curing building is necessary for high-temperature treatment of a finished ordnance item including rocket motors, bombs, and warheads.

CURRENT SITUATION: The demand for propellant necessitates manufacturing operations 24 hours-a-day, five days-a-week, and that dry-houses contain explosive quantities in excess of the limits permitted by Navy regulations for unbarricaded buildings. Starting in 1986, the dry-houses will be used for low vulnerability ammunition gun propellant. This tasking will continue for a minimum of five years with an annual production output requiring the dry-houses to be loaded to their maximum designed

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL ORDNANCE STATION, INDIAN HEAD, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
PROPELLANT FACILITIES UPGRADE	P-836

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
capacities. Explosive limits on existing curing facilities preclude their accommodating more than one or two items at a time. Further, existing facilities cannot provide the high temperatures required by modern explosives and propellants.
IMPACT IF NOT PROVIDED: An explosion in one of the unbarricaded dry-houses could detonate other dry-houses, increasing the severity of the accident. Continued safety threat to numerous personnel and nearby buildings. Necessary curing of explosives and propellants to support production of rocket motors, warheads, and bombs cannot be accomplished.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................7-85
(b) Percent Complete as of January 1986...........75
(c) Percent Complete as of October 1986 100
(d) Date Design Complete...........................4-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(115)
(b) All Other Design Costs.........................(90)
(c) Total..205
(d) Contract.......................................(185)
(e) In-house.......................................(20)

(4) Construction start.............................11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WASHINGTON	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.12

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	20	278	3275	0	0	0	0	0	0	3573
b. END FY 19 91	19	275	3242	0	0	0	0	0	0	3536

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,935)
b. INVENTORY TOTAL AS OF 30 SEP 1985	72,780
c. AUTHORIZATION NOT YET IN INVENTORY	2,440
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,890
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	25,850
f. PLANNED IN NEXT THREE PROGRAM YEARS	61,400
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	168,360

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.72	Missile Magazines	34,690 SF	5,890	7-85	7-86
	TOTAL		5,890		

9. Future Projects:

a. Included in following program (FY 88):

143.21	Ammo Segreg & Renovation Fac	LS	2,100
226.86	Mine Operations Facility	LS	1,700
310.23	Engineering Center	LS	9,800
421.72	Missile Magazines	LS	8,600
851.10	Road Improvements	LS	3,650
			25,850

10. Mission or Major Functions: Proof, test, and evaluate underwater weapons, weapon systems, and components; exercise design cognizance of underwater weapon systems acoustic and tracking ranges and associated range equipment; provide engineering and technical support services for designated undersea warfare programs; provide material and logistics support for assigned weapon systems, weapons or components; act as in-service engineering agent for designated undersea weapons systems.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	370
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON	4. PROJECT TITLE MISSILE MAGAZINES

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 421.72	7. PROJECT NUMBER P-202	8. PROJECT COST ($000) 5,890

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE MAGAZINES	SF	34,690	-	4,820
STRUCTURES	SF	34,690	135.00	(4,680)
LOADING DOCKS	LS	-	-	(140)
SUPPORTING FACILITIES	-	-	-	560
UTILITIES	LS	-	-	(340)
PAVING AND SITE IMPROVEMENT	LS	-	-	(220)
SUBTOTAL	-	-	-	5,380
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST	-	-	-	5,650
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	310
TOTAL REQUEST	-	-	-	5,960
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,890
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Five reinforced concrete earth-covered missile magazines, standard Type A box magazines with loading docks, access aprons, roads, utilities.

11. REQUIREMENT: 34,690 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides five missile magazines.

REQUIREMENT: Adequate magazine space at NUWES Keyport Annex, Indian Island, for receipt, storage, and issue of missiles in support of two fast combat support ships (AOE's) homeported in the Puget Sound area and combatants going into the shipyard for overhaul. Two on-loads and two off-loads of the AOE's are scheduled each year, with approximately 300 missiles handled each time. The AOE's cannot navigate to other west coast weapons stations because of channel depths. Construction of the missile magazines will eliminate unnecessary overland shipment of missiles, the potential safety hazard to the public, and possible damage or loss of these high-value items.

CURRENT SITUATION: There are no missile magazines or missile maintenance facilities at Indian Island. Off-loaded missiles are trucked long distances to the Naval Weapons Stations at Concord or Seal Beach, CA, and returned to Indian Island for loading on the ammunition ships and combatants. While the missiles do have to make these trips for periodic maintenance, over half could remain at Indian Island, if magazines were available. Shipping missiles just for storage costs approximately $300,000 for each on-loading/off-loading evolution for an AOE.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WASHINGTON		
4. PROJECT TITLE MISSILE MAGAZINES		5. PROJECT NUMBER P-282

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Shipments of missiles will continue. Unnecessary exposure to the public of potential safety hazards, and costly missiles will continue to be vulnerable to sabotage and terrorist activity.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................... 7-85
(b) Percent Complete as of January 1986............ 50
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete.............................. 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes X No ____
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (150)
(b) All Other Design Costs.......................... (130)
(c) Total.. 280
(d) Contract.. (270)
(e) In-house.. (10)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.14

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	77	226	9683	0	10	0	118	1000	0	11114
b. END FY 1991	74	197	9737	0	10	0	118	1000	0	11136

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(295)
b. INVENTORY TOTAL AS OF 30 SEP 1985	134,490
c. AUTHORIZATION NOT YET IN INVENTORY	11,500
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	23,170
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	216,270
g. REMAINING DEFICIENCY	225,700
h. GRAND TOTAL	611,130

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.40	Refueling Crane	LS	6,190	N/A	N/A
213.77	Logistics Supp Fac Alts	LS	980	4-85	5-86
441.30	Haz Mtl Stg & Handling Fac	60,000 SF	5,100	9-85	9-86
610.10	Engineering Management Bldg	195,200 SF	10,900	8-85	7-86
	TOTAL		23,170		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

151.50	Pier Modernization	LS	42,100
151.50	Pier Modernization	LS	14,000
213.48	Quality Assurance Office	78,800 SF	6,100

10. Mission or Major Functions: Overhaul, repair and alteration, including drydocking, of nuclear-powered attack and fleet ballistic missile submarines. Planning and engineering related to overhauls. Support to Naval Medical Clinic, Marine Barracks, Naval Reserve Training Center and other tenants.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	4. PROJECT TITLE REFUELING CRANE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
7 20 96 N	213.40	P-225	6,190

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REFUELING CRANE.	LS	-	-	4,700
STIFF-LEG DERRICK.	LS	-	-	(4,130)
TOWER.	LS	-	-	(500)
MACHINE HOUSE.	LS	-	-	(70)
SUPPORTING FACILITIES.	-	-	-	1,020
UTILITIES.	LS	-	-	(480)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(540)
SUBTOTAL	-	-	-	5,720
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST.	-	-	-	6,010
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	330
TOTAL REQUEST.	-	-	-	6,340
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	6,190
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel stiff-leg 165-ton derrick, reinforced concrete tower; pre-fabricated machine house; utility tunnel; concrete support pad with pits, jacking pads; railroad spur; utilities.

11. REQUIREMENT: As Required.

PROJECT: Constructs specialized weight handling facility to work in conjunction with existing assets and enable shipyard to refuel and defuel SSN-688 class nuclear-powered submarines.

REQUIREMENT: Adequate facilities including railroad services, utility tunnel, foundations for both the refueling complex and a 165-ton capacity derrick. The shipyard will begin refueling and defueling of SSN-688 class submarines in 1991. Schedule includes SSN's USS Philadelphia, USS Groton, and USS Boston. Support staff to perform refuelings must begin training, a mock-up rehearsal of the refueling process utilizing equipment, personnel, and a stiff-leg derrick, approximately eighteen months before the start of the first refueling. Prior to training, but after the derrick installation, required check-out, testing, and derrick certification is necessary before shipyard usage. The S6G reactor in SSN-688 class ships has larger and heavier components than the S5W and S3W reactors encountered in previous workloads at Portsmouth.

CURRENT SITUATION: Drydock refueling is preferred over berth refueling because of easier access and greater stability. Drydock 2 has been

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE		
4. PROJECT TITLE REFUELING CRANE		5. PROJECT NUMBER P-235

11. **REQUIREMENT:** (Continued)
CURRENT SITUATION: (Continued)
selected for this project as Drydock 1 is too small to dock SSN-688 class submarines and Drydock 3 is committed to S3W refueling. No crane at the shipyard meets the weight handling capability for S6G. Drydock 2 is presently serviced by three portal cranes with limited capability, ranging from 20 tons to 67 tons. There is no permenent slab, pits, utility tunnel and facility pads to support portable, temporary enclosures.
IMPACT IF NOT PROVIDED: The shipyard will not have the capability to perform S6G refuelings of SSN-688 class submarines and will be ineffective in sustaining SSN-688 readiness.

12. **SUPPLEMENTAL DATA:** Not applicable.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	4. PROJECT TITLE HAZARDOUS MATERIAL STORAGE AND HANDLING FACILITY	

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 441.30	7. PROJECT NUMBER P-215	8. PROJECT COST ($000) 5,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HAZARDOUS MATERIAL STORAGE AND HANDLING FAC.	SF	60,000	-	4,160
BUILDING	SF	60,000	62.00	(3,700)
RETRIEVAL EQUIPMENT WITH RACKS	LS	-	-	(460)
SUPPORTING FACILITIES.	-	-	-	530
ELECTRICAL UTILITIES	LS	-	-	(50)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(290)
DEMOLITION	LS	-	-	(70)
SUBTOTAL	-	-	-	4,690
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,920
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	270
TOTAL REQUEST.	-	-	-	5,190
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay insulated metal panel, steel frame building with 25 foot clear stacking height, material storage and retrieval system, concrete foundation and floor, fire protection system, utilities; demolition of five buildings.

11. REQUIREMENT: 60,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 27,390 SF.

PROJECT: Constructs a building for efficient and effective transfer, storage, and handling of hazardous material, and relocates a paint can compactor.

REQUIREMENT: Adequate and properly configured facilities for safe storage and handling of hazardous and flammable materials in compliance with OSH regulations.

CURRENT SITUATION: Hazardous material is being stored in portions of shipyard buildings which do not meet OSH standards for hazardous material storage. One inadequate facility being used has narrowed aisles and higher stacking than recommended. Since hazardous material is being stored in a great number of buildings, supervision and control has become difficult. Because of an increase in mission requirements, portions of other buildings will be needed, further aggravating the problem.

IMPACT IF NOT PROVIDED: The shipyard will continue to be in non-compliance with OSH standards, with a risk of major accidents and spills.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE		
4. PROJECT TITLE HAZARDOUS MATERIAL STORAGE AND HANDLING FACILITY		5. PROJECT NUMBER P-215

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 9-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete............................ 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes X No ___
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(220)
(b) All Other Design Costs............................(130)
(c) Total... 350
(d) Contract..(320)
(e) In-house..(30)

(4) Construction start............................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	4. PROJECT TITLE ENGINEERING MANAGEMENT BUILDING

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-145	8. PROJECT COST ($000) 10,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINEERING MANAGEMENT BUILDING.	SF	195,200	-	9,690
BUILDING ADDITION	SF	114,000	69.00	(7,860)
BUILDING ALTERATIONS	SF	81,200	23.00	(1,830)
SUPPORTING FACILITIES	-	-	-	320
UTILITIES.	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(110)
DEMOLITION	LS	-	-	(80)
SUBTOTAL	-	-	-	10,010
CONTINGENCY (5%)	-	-	-	500
TOTAL CONTRACT COST.	-	-	-	10,510
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	580
TOTAL REQUEST.	-	-	-	11,090
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	10,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Six-story steel frame and masonry building addition, concrete foundation and floors, built-up roof, elevators; modernization of two buildings; fire protection system, air conditioning, utilities; demolition of three buildings.

11. REQUIREMENT: 195,200 SF. ADEQUATE: 0 SF. SUBSTANDARD: 81,200 SF.
PROJECT: Provides facility addition and alterations for consolidation of engineering and management personnel.
REQUIREMENT: Centrally-located adequate spaces specifically designed to support engineering and management functions and alleviate overcrowding to allow more efficient and expeditious service for complex SSN-688 class submarine overhauls. Workload is transitioning from overhauls of SSN-637 and pre-TRIDENT SSBN class ships to predominantly SSN-688 class availabilities and overhauls, with SSN-21 class work oncoming in the 1990's. By centralizing engineering, management and planning people, along with their technical files, reference materials, communications, and support equipment; this increased, more complex workload can be met within existing resources. If overhauls are to produce quality work, meeting fleet turn-around times, these valuable but finite resources at the center of daily operations must be at peak productivity.
CURRENT SITUATION: Engineers, workload planners, expediters, and technical personnel are scattered in seven separate and extremely overcrowded

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE		
4. PROJECT TITLE ENGINEERING MANAGEMENT BUILDING		5. PROJECT NUMBER P-145

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
buildings causing excessive on-base travel and loss in productivity. Consolidation of the planning and production departments will free buildings for better use in support of controlled industrial area work. A converted supply warehouse built in 1905 and enlarged in 1942 requires modernization for efficient operations. Heating and cooling systems are inefficient, lighting systems do not provide proper illumination, and maintenance costs are high.
IMPACT IF NOT PROVIDED: Continued dispersed functions and inefficiencies; higher morale and benefits from personnel consolidation will not be achieved.
ADDITIONAL: This project is being justified on the basis of need to consolidate personnel, eliminate space deficiencies, and attain greater capability in the face of a growing workload. The proposed solution is the least costly to construct and allows maximum use of existing facilities. Completion of this project could save approximately 280 man-hours per day in a combination of travel time and communications, resulting in a savings of $6,900,000 per year with a payback of 1.7 years.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 8-85
- (b) Percent Complete as of January 1986............ 40
- (c) Percent Complete as of October 1986............ 100
- (d) Date Design Complete........................... 7-86

(2) Basis:
- (a) Standard or Definitive Design: Yes X No ___
- (b) Where Design Was Most Recently Used: Portsmouth NSY, Kittery, ME

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications.......... (210)
- (b) All Other Design Costs.......................... (175)
- (c) Total... 385
- (d) Contract.. (305)
- (e) In-house.. (80)

(4) Construction start............................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION LONG BEACH NAVAL SHIPYARD, LONG BEACH, CALIFORNIA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	40	3	6394	0	0	60	133	1876	187	8693
b. END FY 1991	37	3	5700	0	0	40	185	1804	270	8039

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(350)
b. INVENTORY TOTAL AS OF 30 SEP 1985	164,450
c. AUTHORIZATION NOT YET IN INVENTORY	19,220
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,630
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	19,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	85,600
g. REMAINING DEFICIENCY	46,500
h. GRAND TOTAL	338,400

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317.25	Elect Sys Evaluation Fac	6,000 SF	1,180	8-85	6-86
831.41	Hazardous Waste Fac	LS	2,450	9-85	6-86
	TOTAL		3,630		

9. Future Projects:

a. Included in following program (FY 88):

832.22	Utilities Improvements	LS	19,000
			19,000

b. Major planned next three years:

213.43	Structural Group Imprs	LS	25,500
213.77	Integrated Logistic Support	LS	40,000
871.10	Storm Drain Improvements	6,500 LF	2,800

10. Mission or Major Functions: Maintenance and overhaul of surface ships up to and including attack carriers with heavy emphasis on unscheduled repair work. Logistic support provided includes conversion, reactivation, overhaul, repair, alterations, and dry docking. Support is also provided for air, anti-air, and anti-submarine warfare weapon systems.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	830
c. Occupational safety and health (OSH):	350

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1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LONG BEACH NAVAL SHIPYARD, LONG BEACH, CALIFORNIA	ELECTRONIC SYSTEMS EVALUATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
7 20 28 N	317.25	P-183	1,180

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONIC SYSTEMS EVALUATION FACILITY . . .	SF	6,000	153.00	920
SUPPORTING FACILITIES.	-	-	-	190
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(50)
UTILITIES, PAVING & SITE IMPR, DEMOLITION.	LS	-	-	(140)
SUBTOTAL	-	-	-	1,110
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,170
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,240
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,180
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(4,050)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame and masonry building with weatherproof antenna loft on the roof, concrete foundation and floors, built-up roof, bay doors, electric hoist, cable ducts, control room with computer floor, secure vault, grounding grid, security alarm system, emergency generator; fire protection system, air conditioning, utilities; alters and modernizes control building; demolition of two buildings.

11. REQUIREMENT: 8,200 SF. ADEQUATE: 2,200 SF. SUBSTANDARD: 550 SF.

PROJECT: Constructs shipboard electronic systems evaluation facility (SESEF) and modernizes one building.

REQUIREMENT: Adequate facilities for the sole SESEF range established in the Southern California fleet operating areas. Centralize the operating buildings and eliminate outlying facilities to accommodate upgraded electronic equipment. The Navy has an urgent and critical need for the capability to conduct total evaluation of shipboard electronic and combat systems for all surface ships and submarines either prior to deployment of operating forces overseas, after shipyard overhauls, or upon completion of conversions or alterations. The SESEF range will assess the condition of material readiness of shipboard electronic systems by recording, measuring, analyzing, and evaluating radiated electromagnetic signals and comparing them to established standard quality signal specifications by transmitting standard quality signals to the vessels receiving systems. SESEF is to certify individual electronic combat systems, provide rapid operational

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LONG BEACH NAVAL SHIPYARD, LONG BEACH, CALIFORNIA		
4. PROJECT TITLE ELECTRONIC SYSTEMS EVALUATION FACILITY		5. PROJECT NUMBER P-183

11. REQUIREMENT: (Continued)
testing and evaluation of a combination of several or all of a vessel's electronic systems to obtain a profile or baseline of equipment readiness, provide diagnostic trouble shooting to assess adequacy of major repairs of electronic or weapon systems, and antenna radiation pattern (ARP) measurements and radio direction finding (RDF) calibrations. The fleet commanders must know the demonstrated weapon systems capabilities of their deployed forces especially electronic countermeasures (ECM) and electronic counter-countermeasures (ECCM), and have some assurance that the systems as deployed are functioning to operate in the expected threat environment or know the limitations or degradations imposed by design limitations or shipboard equipment and software discrepancies. The limitations, degradations, and discrepancies can only be partially assessed by shipyard tests, diagnostics, status monitoring, and operational exercises, but to be totally assessed there must be an interaction with a calibrated external measurement system that is able to evaluate the condition of each electronic and weapon system, and simulate other sea battle environment situations that may effect the systems.

CURRENT SITUATION: SESEF is operated by the Combat Systems Office of the shipyard under a host-tenant agreement with the Naval Weapons Station, Seal Beach. Space requirements are partially being met in the present four existing facilities. Two of these buildings built during the 1940's are substandard temporary skid-mounted frame structures which cannot be economically refurbished. One of these two outlying facilities sited adjacent to an ammunition loading wharf and barges of the NWS Seal Beach, within an Explosive Safety Quantity Distance (ESQD) arc, functions as the ARP facility. When in use, the ARP operates continually until testing is complete. This structure, loaded with electrical equipment, has no protective features from the ocean environment or fire safety devices. The second building is for storage. These two buildings will be separated from the control center facilities by the proposed Anaheim Bay Bypass Channel. The control center area, sites the remaining two facilities as the control and emergency generator buildings. Both are adequate for use, but are not sufficient in size to house the present SESEF when use of the substandard buildings are lost. With the completion of the proposed facility, an upgraded electronics system will be installed similar to or more advanced than the electronics of the system in the vessels being evaluated.

IMPACT IF NOT PROVIDED: Electronic and weapon system evaluations will become more difficult as additional environmentally sensitive electronic equipment arrives for installation in substandard spaces. Fleet users will attest calibration and operational readiness of these shipboard systems will be unknown. This resultant loss of combat capability will not be identified for correction or adjustment thereby compromising the sustainability of fleet ships and submarines.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

LONG BEACH NAVAL SHIPYARD, LONG BEACH, CALIFORNIA

4. PROJECT TITLE ELECTRONIC SYSTEMS EVALUATION FACILITY	5. PROJECT NUMBER P-183

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 8-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.............................. 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (65)
(b) All Other Design Costs......................... (90)
(c) Total... 155
(d) Contract.. (145)
(e) In-house.. (10)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Integrated Computer System Test Facilities and Shipboard Electronic System Evaluation Facility Equipment	OPN	1987-1989	1,610
Shore Electronic and Support Equipment	OPN	1987-1990	2,440
		TOTAL	4,050

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SEA COMBAT SYSTEMS ENGINEERING STATION, NORFOLK, VIRGINIA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	7	0	596	0	0	0	0	0	0	603
b. END FY 1991	5	0	808	0	0	0	0	0	0	813

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE Tenant of NS
b. INVENTORY TOTAL AS OF 30 SEP 1985 0
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 980
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. GRAND TOTAL 980

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317.25	Shipbd Elect Sys Eval Fac	LS	980	6-85	8-86
	TOTAL		980		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provide a total evaluation of shipboard electronic and combat systems of units of the fleet either prior to deployment of operating forces overseas, after shipboard overhauls, upon completion of construction, conversions or alterations, to certify combat system capability; provide operational test and evaluation; assess adequacy of major repairs of electronic or weapon systems.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION SUPERVISOR OF SHIPBUILDING, PASCAGOULA, MISSISSIPPI	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 0.87

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	25	16	405	0	0	0	93	1484	28	2051
b. END FY 19 91	35	18	420	0	0	0	363	3014	30	3880

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(17)
b. INVENTORY TOTAL AS OF 30 SEP 1985	260
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,120
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	7,380

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
911.40	Land Acq & Bldg Modn	LS	4,120	9-85	2-86
	TOTAL		4,120		

9. Future Projects:

a. Included in following program (FY 88):

721.13	BEQ Alterations	LS	3,000
			3,000

b. Major planned next three years: None.

10. Mission or Major Functions: Administer Navy Department and other Department of Defense shipbuilding, design, conversion and facility contracts at assigned private shipyards, and administer overhauls, repairs, alterations, activations and inactivations performed on Naval ships at private shipyards under the Master Contract for Repair and Alteration of Vessels.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION SUPERVISOR OF SHIPBUILDING, PASCAGOULA, MISSISSIPPI	4. PROJECT TITLE LAND ACQUISITION AND BUILDING MODERNIZATION

5. PROGRAM ELEMENT 7 11 13 N	6. CATEGORY CODE 911.40	7. PROJECT NUMBER P-001	8. PROJECT COST ($000) 4,120

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION & BUILDING MODERNIZATION. .	LS	-	-	3,520
LAND ACQUISITION WITH IMPROVEMENTS	LS	-	-	(2,250)
BUILDINGS MODERNIZATION.	LS	-	-	(870)
RELOCATION COSTS	LS	-	-	(400)
SUPPORTING FACILITIES.	-	-	-	270
UTILITIES, PAVING & SITE IMPROVEMENT . . .	LS	-	-	(270)
SUBTOTAL	-	-	-	3,790
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST.	-	-	-	3,980
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	220
TOTAL REQUEST.	-	-	-	4,200
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,120
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Acquisition of interests in approximately 33.60 acres of land including improvements; modernization including alterations to one building and roof replacement only on another building; utilities; relocation assistance.

11. REQUIREMENT: As Required.

PROJECT: Land and facilities acquisition, including buildings modernization.

REQUIREMENT: Adequate facilities to support crews of ships undergoing overhaul and precommissioning crews of ships under construction. The need to provide berthing and other services to naval personnel in the Pascagoula area is anticipated to continue, based on contractual procurements forecast by the Navy's five-year shipbuilding program as submitted to Congress in January 1983. The various class ships, CG55-61, LHD 1 and 2, and reactivation of the Wisconsin (BB) are on-going projects whose crews need the continuing support services for 10 or more years.

CURRENT SITUATION: The Lakeside Manor Complex consists of two three-story buildings on approximately 33.6 acres of land. Navy leases only one of these buildings. Lakeside Manor provides space for berthing, messing, and various other personnel support functions such as the Naval Support Administrative Offices, Housing Referral Office, Military Personnel Office, BEQ Staff Office, Enlisted Mess Open, Consolidated Package Store, Barber Shop, Vehicle Maintenance Shop, and Navy Publications and Printing Office. Since the Naval Support Department was originally established at Lakeside

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SUPERVISOR OF SHIPBUILDING, PASCAGOULA, MISSISSIPPI		
4. PROJECT TITLE LAND ACQUISITION AND BUILDING MODERNIZATION		5. PROJECT NUMBER P-001

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

Manor, services and support functions have expanded to provide medical and dental care, disbursing service for nonappropriated funds, Personnel Support Detachment, and special services such as those normally provided by a Naval Station. A lease renewal between Navy and the private owner was scheduled on 1 July 1982. However, the owner and Navy were unable to reach an agreement on cost. The Navy filed leasehold condemnation proceedings in the US District Court, Southern District of Mississippi, Biloxi, on 1 July 1982. The terms of this civil action expires on 30 June 1987 and are not renewable. The Department of Justice has indicated it will not condemn continuing leaseholds on this property. There are no other facilities in the area suitable for the requirement. This project includes relocation assistance for individuals occupying the second building. A follow-on project will renovate this building.

IMPACT IF NOT PROVIDED: Adversely affect Naval shipbuilding in this area by virtue of Navy's inability to provide support services to fleet personnel. The community does not now have, nor will it have, the ability to provide the necessary services. The nearest Naval activity, 40 miles away, Naval Construction Battalion Center, Gulfport, is the only other possible alternative. The Pascagoula area has no public transportation and it would take excessive travel time detracting from training and mission accomplishment to transport Navy personnel to and from Gulfport.

12. SUPPLEMENTAL DATA:

a. Estimated design data:
- (1) Status:
  - (a) Date Design Started.............................. 9-85
  - (b) Percent Complete as of January 1986........... 40
  - (c) Percent Complete as of October 1986........... 100
  - (d) Date Design Complete............................ 4-86
- (2) Basis:
  - (a) Standard or Definitive Design: Yes ___ No X
  - (b) Where Design Was Most Recently Used: -
- (3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  - (a) Production of Plans and Specifications........(145)
  - (b) All Other Design Costs..........................(85)
  - (c) Total.. 230
  - (d) Contract...(200)
  - (e) In-house...(30)
- (4) Construction start........................... 11-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SHIP SYSTEM ENGINEERING STATION, PHILADELPHIA, PENNSYLVANIA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.05

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	7	13	995	0	0	76	0	0	164	1255
b. END FY 1991	13	23	1928	0	0	136	0	0	150	2250

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NSY
b. INVENTORY TOTAL AS OF 30 SEP 1985	15,240
c. AUTHORIZATION NOT YET IN INVENTORY	14,500
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,590
g. REMAINING DEFICIENCY	17,000
h. GRAND TOTAL	57,030

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	Electrical Distr Sys Imprs	LS	400	11-82	3-86
	TOTAL		400		

9. **Future Projects:**

a. Included in following program (FY 88):

318.10	Propulsion Sys Laboratory	20,540 SF	7,300
			7,300

b. Major planned next three years:

313.20	Test Facility	32,400 SF	2,590

10. **Mission or Major Functions:** Engineering and technical management for ship systems equipments and material. Serve as the principal center for test and evaluation of ship systems, hull, mechanical and electrical systems, and equipment aboard Navy ships; provide in-service engineering support for these systems and equipment.

11. **Outstanding pollution and safety deficiencies:** ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT		2. DATE
NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NORFOLK NAVAL SHIPYARD, PORTSMOUTH, VIRGINIA	NAVAL SEA SYSTEMS COMMAND	0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	114	561	13797	0	0	0	192	2271	0	16935
b. END FY 19 91	129	489	13800	0	0	0	149	1909	0	16476

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,335)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	213,610
c. AUTHORIZATION NOT YET IN INVENTORY	201,710
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	115,050
g. REMAINING DEFICIENCY	99,580
h. GRAND TOTAL	635,850

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.12	Bachelor Enlisted Quarters	82,000 SF	5,900	5-85	6-86
	TOTAL		5,900		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

441.10	Integrated Logistic Supp Fac	297,350 SF	34,500
610.10	Engineering Management Bldg	220,000 SF	22,500
812.30	Waterfront Elect Distr Lines	LS	9,300

10. Mission or Major Functions: Maintenance and overhaul of surface ships up to and including attack carriers and submarines. Logistic support provided includes conversion, overhaul, repair, alterations, and dry docking of surface ships and modern submarines. The yard also provides support of air, anti-air, and anti-submarine warfare weapon systems.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NORFOLK NAVAL SHIPYARD, PORTSMOUTH, VIRGINIA	4. PROJECT TITLE BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 721.12	7. PROJECT NUMBER P-275	8. PROJECT COST ($000) 5,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	82,000	54.00	4,400
SUPPORTING FACILITIES	-	-	-	1,000
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(250)
UTILITIES.	LS	-	-	(400)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(350)
SUBTOTAL	-	-	-	5,400
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST.	-	-	-	5,670
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	310
TOTAL REQUEST.	-	-	-	5,980
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Five-story reinforced concrete frame building, pile foundation, concrete floors, masonry walls, pitched concrete roof, elevators, fire protection system, air conditioning, utilities; 100 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment.

Grade mix: 200 E5-E6. Total: 200.

11. REQUIREMENT: 2,064 PN. ADEQUATE: 1,441 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for 200 enlisted personnel.

REQUIREMENT: Adequate housing for 2,064 enlisted personnel either assigned to the shipyard or to vessels undergoing extensive overhaul at the shipyard.

CURRENT SITUATION: Existing berthing capacity of 1,441 spaces, including accommodations found by 55 personnel in the local community, is insufficient, resulting in overcrowding. A new construction deficiency of 623 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently proposed for FY 1991. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED: Adequate living quarters for bachelor enlisted personnel will continue to be unavailable, resulting in degradation of morale, productivity, and career retention efforts.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NORFOLK NAVAL SHIPYARD, PORTSMOUTH, VIRGINIA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-275

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started.................................... 5-85

(b) Percent Complete as of January 1986.................. 60

(c) Percent Complete as of October 1986.................. 100

(d) Date Design Complete................................... 6-86

(2) Basis:

(a) Standard or Definitive Design: Yes ___ No X

(b) Where Design Was Most Recently Used: ___

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........ (210)

(b) All Other Design Costs.......................... (160)

(c) Total.. 370

(d) Contract.. (335)

(e) In-house.. (35)

(4) Construction start.............................. 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 1.20

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	11	89	2406	0	0	0	0	0	0	2506
b. END FY 19 91	10	83	2315	0	0	0	0	0	0	2408

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,980)
b. INVENTORY TOTAL AS OF 30 SEP 1985	76,420
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	29,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	65,850
g. REMAINING DEFICIENCY	14,000
h. GRAND TOTAL	191,370

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
216.60	Quality Evaluation Lab	21,890 SF	6,100	7-85	10-86
	TOTAL		6,100		

9. Future Projects:

a. Included in following program (FY 88):

212.30	Missile Encan & Decan Facility			LS	9,900
212.30	Missile Shop Addition	LS	2,300		
421.72	Missile Magazines	LS	16,800		
			29,000		

b. Major planned next three years:

310.23	Engineering Center	LS	8,500
421.72	Missile Magazines	LS	57,350

10. Mission or Major Functions: Receive, store, issue and renovate all types of ammunition, maintain basic stocks, assemble, unload, check out, issue, maintain, repair and store designated missiles (including associated components, both explosive and inert); operate a weapons quality evaluation laboratory.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA	4. PROJECT TITLE QUALITY EVALUATION LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
7 20 96 N	216.60	P-112	6,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
QUALITY EVALUATION LABORATORY.	SF	21,890	-	4,070
BUILDINGS.	SF	17,580	171.00	(3,000)
TEST FACILITY AND BUILDING ADDITION. . . .	SF	1,990	166.00	(330)
STORAGE MAGAZINES.	SF	2,320	146.00	(340)
BUILT-IN EQUIPMENT	LS	-	-	(400)
SUPPORTING FACILITIES.	-	-	-	1,500
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(440)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(770)
SUBTOTAL	-	-	-	5,570
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST.	-	-	-	5,850
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	320
TOTAL REQUEST.	-	-	-	6,170
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	6,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(4,930)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four reinforced concrete and masonry buildings; one reinforced concrete and masonry building addition; reinforced concrete missile test cell, drop-test cell, control room; seven reinforced concrete magazines with earth cover; fire protection and security alarm systems, conductive flooring, lightning protection, grounding system, blast design, explosion proof electrical receptacles, air conditioning, humidity control, utilities; four overhead traveling cranes, one fixed jib crane; demolition of one building.

11. REQUIREMENT: 21,890 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides explosive test facilities to evaluate, x-ray, and drop-test ammunition and missile components at the Fallbrook Annex.

REQUIREMENT: Assure safety, user satisfaction with and mission effectiveness of expendable ordnance stockpiles. This activity is tasked with weapons quality engineering for all Marine Corps munitions including artillery and mortar ammunition, pyrotechnics, grenades, demolition materials, and land mines. This quality evaluation laboratory will provide comprehensive periodic surveillance during and after warranty periods to detect degradation throughout the life-cycle of ordnance items. The information derived will provide quality predictions to support procurement requirements, determine current quality levels of ordnance material, and provide design agents with recommended effective service-life data.

CURRENT SITUATION: The quality evaluation functions are performed in several improvised facilities shared with ordnance rework operations. The major and minor caliber testing is done in a facility which can only be

(Continued on DD 1391c)

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[illegible]

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA		
4. PROJECT TITLE QUALITY EVALUATION LABORATORY		5. PROJECT NUMBER P-112

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
used on an "as-available" basis. Work stoppages occur because of humidity, high temperatures during the summer months, and muddy unpaved roads during and after rainy weather. The x-ray examination of weapons is either performed by a portable unit shared with others 80 miles away, or at the Concord Naval Weapons Station. The drop-test facility does not satisfy test and safety requirements. The administrative offices are located in converted 40 year-old barracks. Magazines do not exist for the storage of munitions used in testing. All of these conditions make testing and evaluation of Marine Corps weapons an unorthodox experience and increases the possibility of a serious accident. At the end of 1984, testing for twenty percent of the Marine Corps stockpile of munitions was behind schedule. By the end of 1985, it is estimated fifteen to twenty items will have been in the stockpile up to three years with no facilities in which to safely perform component quality engineering. By 1990, forty percent of the stockpile will be suspect because of lack of quality evaluation.

IMPACT IF NOT PROVIDED: The safety, reliability, and shelf-life of the munitions and missile systems used by the Marines will be questionable.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	7-85
(b)	Percent Complete as of January 1986	40
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	10-86

(2) Basis:

(a) Standard or Definitive Design: Yes___ No X

(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	(305)
(b)	All Other Design Costs	(140)
(c)	Total	445
(d)	Contract	(415)
(e)	In-house	(30)

(4) Construction start........ 2-87
(month and year)

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA		
4. PROJECT TITLE QUALITY EVALUATION LABORATORY		5. PROJECT NUMBER P-112

12. SUPPLEMENTAL DATA: (Continued)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
X-ray Equipment	OPN	1982-83	180
X-ray Equipment	NIF	1988	60
WQEC Explosives Test Equipment	NIF	1985-87	390
WQEC Explosives Test Equipment	O&MN	1984-87	800
Weapons Systems Test Sets and Fixtures	OPN-BA3	1982-84	2,500
Weapons Systems Test Sets and Fixtures	WPN	1985	1,000
		TOTAL	4,930

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA	4. COMMAND NAVAL SEA SYSTEMS COMMAND	5. AREA CONSTR. COST INDEX 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	63	849	1815	0	20	0	0	0	0	2747
b. END FY 19 91	61	841	1950	0	20	0	0	0	0	2872

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(10,623)	
b. INVENTORY TOTAL AS OF 30 SEP 1985		99,330
c. AUTHORIZATION NOT YET IN INVENTORY		2,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,220
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		25,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		101,750
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		233,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.72	Missile Storage Facs	34,830 SF	4,220	6-85	5-86
	TOTAL		4,220		

9. **Future Projects:**

a. Included in following program (FY 88):

151.10	Pier Improvements	LS	5,400
212.20	Air Launch IMA Fac	64,000 SF	9,500
421.72	Missile Magazines	LS	10,100
			25,000

b. Major planned next three years:

421.52	Projectile Magazines	LS	24,200
421.72	Missile Magazines	LS	40,850

10. **Mission or Major Functions:** Receive, store, overhaul, test, modify explosives and accomplish other related work pertaining to ammunition, expendable ordnance items, and/or weapons and technical ordnance material. Overhaul, test, and assemble mines, torpedoes, advanced underseas weapons and guided missiles. Act as designated overhaul point for repair, refurbishment, and retrofit of specified missiles. Receive, inspect, monitor, assemble, alter, store, and issue classified ordnance/weapons. Conduct research and developmental studies of explosive compositions and processes.

11. **Outstanding pollution and safety deficiencies:** ($000)

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA	4. PROJECT TITLE MISSILE STORAGE FACILITIES

5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 421.72	7. PROJECT NUMBER P-410	8. PROJECT COST ($000) 4,220

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE STORAGE FACILITIES	SF	34,830	-	3,000
MISSILE MAGAZINE	SF	14,450	146.00	(2,110)
PLATFORM	SF	10,380	47.00	(490)
INERT STORAGE BUILDING	SF	10,000	40.00	(400)
SUPPORTING FACILITIES.	-	-	-	900
UTILITIES.	LS	-	-	(200)
RAILROAD	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(400)
SUBTOTAL	-	-	-	3,900
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST.	-	-	-	4,100
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,330
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,220
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One 5-bay and one 3-bay reinforced concrete earth covered modified Type A magazines, five 25-foot wide and three 25-foot wide doors respectively; one inert storage facility; access ramps, paved aprons, loading platforms, railroad extension; fire protection systems, utilities.

11. REQUIREMENT: 34,830 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs two earth-covered magazines and an inert storage building.

REQUIREMENT: Adequate storage facilities for TOMAHAWK Vertical Launch System Missiles and inert components scheduled for receipt in 1986. Issue and restoration of all-up-round weapons at Yorktown will continue throughout the life of the missile. Additional magazines will be required in the future, based on the growing TOMAHAWK inventory needed to support the fleet out of Norfolk. The inert storage facility is required to protect cannisters, skids, stacking frames and other components from the weather.

CURRENT SITUATION: No magazine or inert storage space is available for storage of TOMAHAWK missiles, containers, and equipment. There has been a shortage of magazine space at Yorktown since the late 1970's when the Navy stopped storing ammunition at the St. Juliens Creek Annex for safety reasons. Prior to completion of the magazine, missiles will be kept on rail car sidings at higher security risk to the weapons.

IMPACT IF NOT PROVIDED: Insufficient storage space for TOMAHAWK weapons could affect readiness and security of missiles, and increased maintenance requirements on inert components.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA

4. PROJECT TITLE
MISSILE STORAGE FACILITIES

5. PROJECT NUMBER
P-410

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 6-85
(b) Percent Complete as of January 1986........... 55
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 5-86

(2) Basis:
(a) Standard or Definitive Design: Yes X No___
(b) Where Design Was Most Recently Used: ___

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (110)
(b) All Other Design Costs.......................... (40)
(c) Total.. 150
(d) Contract... (125)
(e) In-house... (25)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

OFFICE OF THE CHIEF OF NAVAL RESEARCH

FY 1987 MILITARY CONSTRUCTION PROGRAM
OFFICE OF THE CHIEF CF NAVAL RESEARCH INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NWC China Lake, CA	241	Guided Missile Laboratory	$ 10,300	$ 10,300	580
	275	Explosive Ordnance Breakdown Facility	1,370	1,370	583
	233	Mess Hall	2,450	2,450	586
		Subtotal	14,120	14,120	
NSWC Dahlgren, VA	195	AEGIS Education Center Addition	2,950	2,950	589
	236	Weapons System Development Laboratory Addition	3,730	3,730	592
	199	AEGIS Computer Center Addition	3,830	3,830	595
	231	Personnel Support Facilities	5,450	5,450	598
		Subtotal	15,960	15,960	
NCSC Panama City, FL	274	Underwater Equipment Laboratory	880	880	768
		Subtotal	880	880	
NRL Annex, Quantico, VA	048	Midway Research Center	1,500	1,500	602
		Subtotal	1,500	1,500	
NRL Washington, DC	025	Physics Laboratory Improvements	8,730	8,730	605
		Subtotal	8,730	8,730	
TOTAL - OFFICE OF THE CHIEF OF NAVAL RESEARCH			41,190	41,190	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	4. COMMAND OFFICE OF THE CHIEF OF NAVAL RESEARCH	5. AREA CONSTR. COST INDEX 1.18

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	110	809	5152	0	0	0	20	50	1691	7832
b. END FY 19 91	136	902	5162	0	0	0	48	40	1691	7979

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,127,264)
b. INVENTORY TOTAL AS OF 30 SEP 1985	250,110
c. AUTHORIZATION NOT YET IN INVENTORY	45,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,120
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	26,460
f. PLANNED IN NEXT THREE PROGRAM YEARS	26,700
g. REMAINING DEFICIENCY	75,240
h. GRAND TOTAL	438,330

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
312.10	Guided Missile Lab	67,420 SF	10,300	3-83	10-86
316.10	Explosive Ord Brkdn Fac	3,790 SF	1,370	9-85	10-86
722.10	Mess Hall	13,700 SF	2,450	9-85	3-86
	TOTAL		14,120		

9. Future Projects:

a. Included in following program (FY 88):

310.23	Ordnance Research Lab	55,580 SF	6,860
312.15	Missile Navigation AC Dev Lab	34,600 SF	14,200
317.15	Electronic Systems Lab	21,870 SF	5,400
			26,460

b. Major planned next three years:

312.10	Fuze and Sensors Lab	LS	13,600
740.74	Child Care Center	20,250 SF	2,400

10. Mission or Major Functions: Principal Navy RDT&E center for air warfare and missile weapons systems. Maintains the primary in-house research and development capability for systems, subsystems, and technologies included but not limited to strike aircraft/weapons systems and concept development; air launched weapons and associated avionics systems including aircraft guns and ammunition, guided and unguided weapons, aircraft weapons control and aircraft/weapons interface; tactical missiles; subsystems for weapons systems which include propulsion, guidance and control, warheads, fuel and launchers; strike warfare countermeasures; weather modification; and parachute test and evaluation.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	4. PROJECT TITLE GUIDED MISSILE LABORATORY

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 312.10	7. PROJECT NUMBER P-241	8. PROJECT COST ($000) 10,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GUIDED MISSILE LABORATORY.	SF	67,420	-	7,010
BUILDING	SF	67,420	96.00	(6,490)
BUILT-IN EQUIPMENT	LS	-	-	(520)
SUPPORTING FACILITIES.	-	-	-	2,620
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,130)
ELECTRICAL UTILITIES	LS	-	-	(570)
MECHANICAL UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(820)
SUBTOTAL	-	-	-	9,630
CONTINGENCY (5%)	-	-	-	480
TOTAL CONTRACT COST.	-	-	-	10,110
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	560
TOTAL REQUEST.	-	-	-	10,670
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	10,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(16,140)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, metal wall panels, concrete floors and foundation on engineered imported fill, built-up roofing on insulated steel deck, shielding, fire alarm and fire protection systems, air conditioning and evaporative cooling, utility connections; demolition of 17 buildings.

11. REQUIREMENT: 99,420 SF. ADEQUATE: 32,000 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a consolidated engineering laboratory for guided missile and electronic warfare (EW) development and support functions.

REQUIREMENT: Consolidation and centralization of facilities to integrate personnel working on related tasks and to collocate computers and other electronic equipment to keep pace with development of equipment and effective countermeasure devices to counter the foreign threat. Major missile systems and components such as seekers, receivers, guidance sections, auto pilots and EW systems are high technology products required by tactical armed services to acquire and retain combat effectiveness. The constantly changing enemy threat makes necessary an on-going development effort in these critical areas. This development effort requires general and specialized laboratory, simulation, test and support facilities with associated space for personnel. The center's more important programs have shown consistent growth since the early 1970's and include product areas as defense suppression, foreign technology exploitation, anti-radiation missile (ARM) countermeasures, electronic warfare system software, passive

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA		
4. PROJECT TITLE GUIDED MISSILE LABORATORY		5. PROJECT NUMBER P-241

11. REQUIREMENT: (Continued)
and active radio frequency (RF) identification locating and homing system for missile guidance and avionics applications, passive radiometric systems, and RF electronic warfare and related systems, and countermeasures including high resolution radars.

CURRENT SITUATION: The on-going development efforts are being conducted in twelve buildings, including five trailers, at five different locations separated by distances up to seven miles. Many of these buildings were constructed in the mid-forties and are deficient in various ways. These buildings are particularly unsuited for housing the sophisticated and highly sensitive electronic and computer equipment required for developing modern, state-of-the-art EW systems. Most are not energy efficient, are expensive to maintain, poorly designed from a functional standpoint, environmentally inadequate, and personnel productivity is severely hampered through the wide geographic dispersion of buildings housing associated engineering spaces. With construction of this project, significant economies will result through the more efficient consolidation of personnel assigned to the center's Ordnance Systems Department, Fuze and Sensors Department, and to a lesser degree the Aerosystems Department. Certain engineering spaces currently housing personnel in the EW Department would be vacated, allowing backfill plans to be implemented which would collocate several associated functions in other departments.

IMPACT IF NOT PROVIDED: Continued use of existing facilities will require extensive refurbishment and modifications of old buildings designed for other purposes. These modifications will be quite expensive because they must provide an environmentally-controlled space for computer and software systems. Use of present facilities will continue to accumulate transportation costs, maintain reduced communications between EW department developments, and increase testing time on EW equipment. Utility cost will increase since current buildings are energy inefficient and restrict increasing computer usage. Collectively these inadequacies negatively impact on fleet readiness and sustainability resulting from the lack of appropriate facilities with which to pursue the state of the art in EW countermeasures availability, training area, and weapon and technology programs including their follow-on developments.

ADDITIONAL: A secondary economic analysis was performed comparing the replacement of each existing building or constructing a consolidated facility centrally located. The results were this project would generate cost savings sufficient to amortize the initial outlay within four years.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA		
4. PROJECT TITLE GUIDED MISSILE LABORATORY		5. PROJECT NUMBER P-241

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................3-83
b) Percent Complete as of January 1986............40
(c) Percent Complete as of October 1986............100
(d) Date Design Complete............................10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(545)
(b) All Other Design Costs..........................(350)
(c) Total...895
(d) Contract..(865)
(e) In-house..(30)

(4) Construction start............................1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Electronic Warfare Technical Equipment	RDT&E, MPAF, WPN, MIF	1984-1985	10,280
Electronic Warfare Support Equipment	MIF	1986	2,540
Electric Warfare Support Equipment	MIF	1987	1,510
Electric Warfare Support Equipment	MIF	1988	1,810
		TOTAL	16,140

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	4. PROJECT TITLE EXPLOSIVE ORDNANCE BREAKDOWN FACILITY

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 316.10	7. PROJECT NUMBER P-275	8. PROJECT COST ($000) 1,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
EXPLOSIVE ORDNANCE BREAKDOWN FACILITY. . . .	SF	3,790	-	870
BUILDINGS.	SF	3,620	210.00	(760)
READY MAGAZINE	SF	170	58.00	(10)
BUILT-IN EQUIPMENT	LS	-	-	(100)
SUPPORTING FACILITIES.	-	-	-	400
ELECTRICAL UTILITIES	LS	-	-	(80)
MECHANICAL UTILITIES	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(150)
SUBTOTAL	-	-	-	1,270
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,330
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,400
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,370
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two single-story cast-in-place concrete structures, blow-out panels, two-foot-thick reinforced concrete explosion-proof wall, conductive floor, explosion-proof lighting, fire sprinklers, steam system, TV remote monitoring, overhead crane, compressed air, propane gas storage and distribution, hydraulic power supply; ready magazine; utility connections, access road, air conditioning.

11. REQUIREMENT: 13,850 SF. ADEQUATE: 10,060 SF. SUBSTANDARD: 560 SF.

PROJECT: Constructs a facility to analyze experimental and production high explosive ordnance to determine reasons for malfunction.

REQUIREMENT: Adequate explosive ordnance breakdown building with modern, safety-designed facilities for the breakdown, neutralization, and analysis of ordnance items with an explosive weight up to 500 pounds. This includes expanded capabilities to support RDT&E programs of the center and other DOD agencies, and to support training requirements of tactical fleet squadrons, as well as foreign material exploitation. The Navy will account for 90% of the facility's usage, the Air Force 5%, and other agencies 5%, including Secret Service, FBI, Treasury Department, NASA, Army, and California's law enforcement departments. The site must be close to present facilities to permit expeditious transfer of ordnance from ranges and laboratories, but still away from any inhabited building to allow safe handling of large quantities of explosives.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA		
4. PROJECT TITLE EXPLOSIVE ORDNANCE BREAKDOWN FACILITY		5. PROJECT NUMBER P-275

11. REQUIREMENT: (Continued)

CURRENT SITUATION: The Explosive Ordnance Disposal (EOD) Group One Detachment is assigned to support the RDT&E, production monitoring and fleet support requirements of the center. The EOD detachment is responsible for handling not only expended and dud ordnance, but also for disassembly of foreign ordnance for intelligence purposes; analysis and modification of a wide variety of flares, motors, and explosive devices; and stripping operational and experimental fuzes, breaking down the devices and removing the explosive components. Fuze stripping is a specialized operation, and the China Lake EOD group supports six other Navy EOD detachments and selected Army and Air Force ordnance divisions in this function. Major programs currently supporting using the present substandard breakdown facility include Sidewinder, Sparrow, Harpoon, Phoenix, Tomahawk, Walleye, HARM, fuel-air explosive (FAE) weapons, GATOR and several cluster weapons. The existing facility inhibits the ability of EOD personnel to fully support these programs and increases operational hazards associated with the work. The explosive ordnance building constructed in 1952 is used by two different work groups, one is the center's warhead test branch and the other the EOD detachment. Each group has 560 square feet of usable work space. Work areas in this facility are too small for either group. The existing building provides only minimal remote-control equipment and, therefore, hands-on breakdown of ordnance is often required. The waste disposal system and storage magazine near the current building are outdated. The location of these facilities is the most serious problem. The Explosive Safety Criteria prohibits inhabitants within 1,250 feet of any explosive handling operation using high explosive ordnance. Approximately 85 military and civilian personnel work within the explosive safety quantity distance (ESQD) arc around the present building. The current facility is operated by Navy under an explosive safety waiver limiting the EOD side of the building to operations with 50 pounds of explosive. The center's EOD group requires the capability to work on ordnance up to 500 pounds of high explosive. The explosive weight limit reduces the mission support capability for ordnance breakdown significantly and creates costly, time-consuming delays in RDT&E programs, especially where future analysis is involved.

IMPACT IF NOT PROVIDED: People will continue to be in jeopardy whenever the facility is used under a safety waiver. Since restricted to 50 pounds explosives, larger ordnance items cannot be broken down or analyzed and valuable failure analysis data is unavailable. The lack of failure data will continue to cause costly redundancy in many test programs because of uncertain causes of failure in ordnance and components. The China Lake EOD detachment will be unable to fully support test, evaluation, exploitation, and training programs for the center and other Navy activities, Air Force, and other users.

(Continued on DD 1391c)

1. COMPONENT		2. DATE
NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	

3. INSTALLATION AND LOCATION

NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
EXPLOSIVE ORDNANCE BREAKDOWN FACILITY	P-275

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................. 9-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete............................ 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (75)
(b) All Other Design Costs......................... (150)
(c) Total.. 225
(d) Contract....................................... (215)
(e) In-house....................................... (10)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	4. PROJECT TITLE MESS HALL

5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 722.10	7. PROJECT NUMBER P-233	8. PROJECT COST ($000) 2,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL.	SF	13,700	144.00	1,970
SUPPORTING FACILITIES.	-	-	-	250
ELECTRICAL UTILITIES	LS	-	-	(60)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING & SITE IMPROVEMENT, DEMOLITION. . .	LS	-	-	(120)
SUBTOTAL	-	-	-	2,220
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,330
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	130
TOTAL REQUEST.	-	-	-	2,460
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,450
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof over insulated metal deck, fire protection system, mechanical ventilation and evaporative cooling, utilities; demolition of one building.

11. REQUIREMENT: 13,700 SF. ADEQUATE: 0 SF. SUBSTANDARD: 10,000 SF.

PROJECT: Constructs a mess hall seating 244 persons to serve 426 assigned and transient enlisted personnel.

REQUIREMENT: Adequate mess hall and food service for assigned and visiting military enlisted personnel. The Navy Food Service Systems Office has made numerous changes in both operational procedures and design criteria in recent years to upgrade the quality of life for military personnel.

CURRENT SITUATION: The existing dining facility seats 150 persons and was constructed in 1944 in a period of material shortages and building compromises. The building cannot be modified to install modern kitchen and food handling equipment. Presently, sanitation, fire protection, kitchen, storage, serving and seating capacities do not meet criteria. The building's electrical system consists of ungrounded electrical outlets. Sewer connections from kitchen equipment discharge into sewer mains of insufficient capacity. Food service operations cannot be revised for combined cafeteria style feeding of short order and regular meals. Cooling equipment for on-site food storage spaces for chill, dairy, and freezer supplies is not reliable and requires frequent repair. To rely on the

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA		
4. PROJECT TITLE MESS HALL		5. PROJECT NUMBER P-233

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
remote bulk food storage requires numerous vehicular delivery trips between the facilities. Actual delivery lead times to the center vary from seven days for dairy storage items to 45 days for freezer storage items. Seating capacity is insufficient to support assigned and transient personnel.

IMPACT IF NOT PROVIDED: Food service and morale of military personnel will be adversely affected.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 9-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 3-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(120)
(b) All Other Design Costs........................(85)
(c) Total... 205
(d) Contract......................................(195)
(e) In-house......................................(10)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA	4. COMMAND OFFICE OF THE CHIEF OF NAVAL RESEARCH	5. AREA CONSTR. COST INDEX 1.10

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	41	117	3022	0	0	18	0	0	0	3198
b. END FY 19 91	141	360	3662	30	304	18	0	0	0	4515

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,320)
b. INVENTORY TOTAL AS OF 30 SEP 1985	55,220
c. AUTHORIZATION NOT YET IN INVENTORY	25,860
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	15,960
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	35,600
f. PLANNED IN NEXT THREE PROGRAM YEARS	41,650
g. REMAINING DEFICIENCY	16,000
h. GRAND TOTAL	190,290

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	AEGIS Education Center Addn	31,250 SF	2,950	1-85	12-85
310.33	Wpns Sys Develop Lab Addn	31,300 SF	3,730	7-85	8-86
310.33	AEGIS Computer Center Addn	22,700 SF	3,830	4-85	3-86
721.11	Personnel Support Facs	45,340 SF	5,450	1-85	3-86
	TOTAL		15,960		

9. Future Projects:

a. Included in following program (FY 88):

310.23	Compartmented Program Lab	51,500 SF	11,800
315.15	Weapon Systems Laboratory	33,300 SF	5,500
315.30	AEGIS Destroyer Research Lab	80,630 SF	15,000
721.12	Bachelor Enlisted Quarters	LS	3,300
			35,600

b. Major planned next three years:

310.23	Elect Special Warfare Lab	LS	9,800

10. Mission or Major Functions: The Dahlgren Laboratory of the Naval Surface Weapons Center maintains the primary in-house research and development capability for naval gun and surface weapons systems, subsystems, and technology. Also included are strategic systems support including FBM targeting analysis, guidance computer programs, digital fire control program and geoballistics. Other research efforts consist of, but are not limited to, weapon system safety, chemical/biological warfare defense, tactical intelligence support systems, weapon ballistics, and satellite geodesy.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA	4. PROJECT TITLE AEGIS EDUCATION CENTER ADDITION

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-195	8. PROJECT COST ($000) 2,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AEGIS EDUCATION CENTER ADDITION.	SF	31,250	-	2,420
BUILDING	SF	31,250	76.00	(2,370)
BUILT-IN EQUIPMENT	LS	-	-	(50)
SUPPORTING FACILITIES.	-	-	-	250
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
SUBTOTAL	-	-	-	2,670
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,800
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,950
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(33,760)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel-frame building, concrete spread foundation and floors, masonry walls, built-up roof, computer flooring, chilled demineralized water system, fire protection system, air conditioning, utility connections.

11. REQUIREMENT: 59,480 SF. ADEQUATE: 28,230 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides building addition for training prospective crew members of AEGIS ships.

REQUIREMENT: Adequate facilities for training personnel being assigned to CG-47 class AEGIS ships in the maintenance and operation of equipment unique to the AEGIS combat system. Sixteen AEGIS ships were authorized through FY 1985. Three are requested in FY 1986 and follow-on ships are included in FY 1987 and beyond.

CURRENT SITUATION: The AEGIS combat system has been developed and production is currently on-going at RCA, Moorestown, New Jersey. The combat system engineering development (CSED) site at RCA will serve the initial training needs of AEGIS ship combat system personnel, and augment the dockside testing associated with shipboard installation of combat system equipment during ship construction. These functions, requiring the CSED site continue into the future, and substantially overlap that period when AEGIS ships are entering the fleet and require in-service engineering and replacement crews. Current AEGIS shipbuilding planning spans a period of at least ten years. At the time AEGIS ships enter the fleet, a facility will be required to provide the fleet with personnel who are trained to

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA

4. PROJECT TITLE AEGIS EDUCATION CENTER ADDITION	5. PROJECT NUMBER P-195

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
maintain and operate equipment that comprise the combat system to which they are assigned. A FY 1984 Applied Instruction Building is under construction to accommodate the training associated with AEGIS MK7 equipment to be installed in AEGIS ships CG-47 through CG-58. The requisite training impending by the 42 instructors is for approximately 147 students. The proposed project will accommodate new equipment and additional requisite training on improvements, which will be installed in ships CG-59 and beyond. The new loading will be 74 staff, 54 instructors, and approximately 214 students.

IMPACT IF NOT PROVIDED: Maintenance and individual operator training for replacement personnel to AEGIS ships will be seriouly impaired. Throughout the life time of these ships, replacement personnel must be trained, with in-depth knowledge of its systems operation, to maintain the AEGIS ship combat system and all of its components in a combat ready state. The Navy could not provide life-cycle training support of AEGIS combat systems.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 1-85
- (b) Percent Complete as of January 1986.......... 100
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete.......................... 12-85

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(75)
- (b) All Other Design Costs........................(85)
- (c) Total.. 160
- (d) Contract.......................................(5)
- (e) In-house.......................................(155)

(4) Construction start...................... 11-86
(month and year)

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA		
4. PROJECT TITLE AEGIS EDUCATION CENTER ADDITION		5. PROJECT NUMBER P-195

12. SUPPLEMENTAL DATA: (Continued)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
AEGIS, Block III Operational Readiness Test System (ORTS)	SCN	1984	1,270
AEGIS, Block III Display Group Control Equipment (DGCE)	SCN	1984	2,760
AEGIS, Block III Computer Equipment (CE)	SCN	1984	6,730
AEGIS, Block III Laboratory Equipment (LE)	SCN	1984	10,000
	SCN	1984	10,000
	OPN	1986	3,000
		TOTAL	33,760

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA	4. PROJECT TITLE WEAPONS SYSTEM DEVELOPMENT LABORATORY ADDITION

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 310.33	7. PROJECT NUMBER P-236	8. PROJECT COST ($000) 3,730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS SYSTEM DEVELOPMENT LABORATORY ADDN. .	SF	31,300	-	3,130
BUILDING ADDITION	SF	31,300	98.00	(3,080)
BUILT-IN EQUIPMENT.	LS	-	-	(50)
SUPPORTING FACILITIES	-	-	-	280
UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
SUBTOTAL.	-	-	-	3,410
CONTINGENCY (5%).	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,580
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	200
TOTAL REQUEST	-	-	-	3,780
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,730
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(22,410)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building addition, concrete foundation and floor, masonry walls, built-up roof, computer flooring, two vaults, compressed air system, emergency generator, intrusion detection system, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 41,070 SF. ADEQUATE: 9,770 SF. SUBSTANDARD: 10,100 SF.

PROJECT: Constructs a laboratory addition, Land Base Test Facility (LBTF), for technological, engineering and life-cycle software support of the TOMAHAWK Weapon System (TWS) for surface ships.

REQUIREMENT: Adequate facilities for system engineering and technology support, weapon control system development, system integration, software Independent Verification and Validation (IV&V), and software operational support for the life-cycle of the TWS to be installed and deployed on five classes of surface ships, DD-963, BB-61, CG-47, CGN, and DDG-51. Dahlgren has been assigned technical support agent for the TWS software life cycle. The LBTF is required by mid-1988 for equipment installation to accomplish the overall TWS engineering and technology requirements in general, and to all variants of the Weapon Control System (WCS) software in particular, for a scheduled total of approximately 82 surface ships. This total represents five distinct ship classes. Each ship will utilize one of two different launching systems. One of the two launching systems, the Armored Box Launcher (ABL) is being used for the initial deployments of 18 ships. The TWS with the second launching system, the Vertical Launching System (VLS),

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA		
4. PROJECT TITLE WEAPONS SYSTEM DEVELOPMENT LABORATORY ADDITION		5. PROJECT NUMBER P-236

11. REQUIREMENT: (Continued)
is under development and is planned for use in the initial deployments of 64 ships. Also planned are three distinct configurations of TWS, and correspondingly three versions of the WCS, each with an individual software package. There are within each basic TWS configuration variations of the WCS software in order to be compatible with a particular ship class. The software for each WCS is designed to accommodate two major variants of the TOMAHAWK cruise missile - the land attack cruise missile and the anti-ship cruise missile. Navy is also responsible for supporting software deliveries for Air Force deployed GLCM's.

CURRENT SITUATION: The TWS baseline system, first generation missile, has achieved its initial development milestones and production systems have begun to be deployed on the DD-963, BB-61, and CGN class ships. These initial operational capabilities (IOC's) are with the TWS baseline system incorporating the armored box launcher (ABL). Dahlgren has been tasked since 1978 for the TWS baseline system in an evolving variety of on-going, and rapidly growing system support efforts including software IV&V, systems electromagnetic environmental effects (E^3), system safety, computer system software, an emerging new field of weapons technology and software nuclear safety analysis. To meet the initial demands of this involvement, Dahlgren has provided temporary facility space for personnel and equipment dedicated to TOMAHAWK development and fleet support in trailers and in an existing inadequate building. These facilities are located at three dispersed sites. This dispersed facility situation seriously hampers the effectiveness of the technical coordination and interface management as well as having the on-going workload saturate the capabilities of the current equipment spaces. Since the facility requirements have far exceeded any space foreseen to be available, an unspecified minor construction project was initiated. The construction contract has begun to provide space for arriving computer equipment which could not be installed without this project. This will allow Dahlgren to develop new system capabilities to be added to the current TWS as well as engineering and development leading to a newly designed WCS planned as a follow-on to the current system.

IMPACT IF NOT PROVIDED: The Navy would not have a dedicated capability to provide engineering and technology support, testing, installations and deployments of the TWS for its life-cycle on five surface ship classes. This lack of support would seriously effect the national defense posture in terms of naval strike warfare capability. Navy would not have the capability to assess many evolving weapon system phenomenon such as the projected threat, advances in technology, especially in the field of digital systems, and all others which influence system acquisition, usage preparation, implementation and fleet operational readiness, would not be realized without this facility.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA

4. PROJECT TITLE WEAPONS SYSTEM DEVELOPMENT LABORATORY ADDITION	5. PROJECT NUMBER P-236

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 7-85
(b) Percent Complete as of January 1986............ 40
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete............................ 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(165)
(b) All Other Design Costs..........................(135)
(c) Total.. 300
(d) Contract..(290)
(e) In-house...... ....(10)

(4) Construction start........................ 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
TWS Baseline/ABL Laboratory Equipment	OPN, MPA, WPN RDT&E, SCN	1984-1986	4,840
System Software Support Equipment	WPN, OPN, RDT&E	1984	470
TWS Baseline/VLS Equipment	OPN, WPN RDT&E, SCN	1984-1986	6,280
TWS Advanced/VLS Equipment	RDT&E	1986	10,210
Theater Mission Planning Center Equipment	RDT&E	1984	610
		TOTAL	22,410

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA	4. PROJECT TITLE AEGIS COMPUTER CENTER ADDITION

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 310.33	7. PROJECT NUMBER P-199	8. PROJECT COST ($000) 3,830

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AEGIS COMPUTER CENTER ADDITION	SF	22,700	-	2,850
BUILDING ADDITION.	SF	22,700	115.00	(2,600)
BUILT-IN EQUIPMENT	LS	-	-	(250)
SUPPORTING FACILITIES.	-	-	-	650
UTILITIES.	LS	-	-	(440)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(210)
SUBTOTAL	-	-	-	3,500
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,680
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,880
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,830
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(41,020)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building addition, concrete foundation and floors, masonry walls, built-up roof, computer flooring, shielding, vault, fire protection system, chilled demineralized water system, air conditioning, utilities.

11. REQUIREMENT: 132,530 SF. ADEQUATE: 109,830 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs computer center addition to support expanded operational AEGIS ship combat systems throughout their service lifetime.

REQUIREMENT: Adequate facilities for the AEGIS Lifetime Support Engineering (LSE) agent for computer program production and maintenance, combat system engineering, technology applications, configuration management for the lifetime of AEGIS ship combat systems and shipboard combat system checkout and Navy testing. A facility addition essential for generation and production, integration and testing, and data reduction and analysis of all AEGIS computer programs. Requisite computer program deliveries for installation aboard the AEGIS class ships have been divided into four configurations known as baselines (BL). Delivery schedule for BL-1 is 5-CG, BL-2 is 7-CG, BL 3 is 6-CG, and BL-4 is 9-CG and 30 DDG. Proposed delivery dates assume that for the first two ships in each BL, deliveries will be required each six months for the first year and in one year intervals thereafter. All other ships will get major computer program updates once a year. In FY 1988, eighteen major computer program deliveries will be made to BL 1, 2, and 3 AEGIS ships, then BL 4 deliveries will

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA

4. PROJECT TITLE AEGIS COMPUTER CENTER ADDITION	5. PROJECT NUMBER P-199

11. REQUIREMENT: (Continued)
begin. This building addition will provide adequate space to accommodate the equipment and 70 personnel necessary to perform the LSE functions for the AEGIS computer programs up through BL 4.

CURRENT SITUATION: Present facilities were constructed in 1981 to house computer equipment arriving late in FY 1981 and could not be installed without the provisions of an AEGIS Computer Center (ACC). Forthcoming workload schedules, resulting from construction of more AEGIS ships including software revisions to meet changing conditions and threats during the lifetime of ships having AEGIS Combat Systems, necessitate additional computers and personnel support. This proposed addition to the basic facility for performing LSE functions will be necessary to support the computer program deliveries for all AEGIS computer program configurations. Existing ACC supports the AEGIS computer programs BL 1 and 2 for the CG-47 through CG-58 AEGIS ships. The facility addition will be used for additional equipment to support BL 1 and 2, and equipment and personnel supporting BL 3 and 4 for the CG-47 class ship and the DDG-51 class ships. The ACC employees 45 personnel and operates three shifts per day, 7 days per week, averaging 115 users per day. By FY 1987, the ACC will be delivering AEGIS computer programs to 12 ships included in BL 1 and 2 in an overcrowded facility. There are no other facilities available at Dahlgren which can accommodate these vital responsibilities.

IMPACT IF NOT PROVIDED: AEGIS computer program problems and the deficiencies encountered during shipboard integration and testing, fleet introduction, and fleet operations of AEGIS ships cannot be corrected in a timely and responsive manner. The evolving threat, emerging technology, cost considerations as well as the correction of operationally observed deficiencies which require AEGIS Ship Combat Systems to be adaptive to change through their 30 plus years of service lifetime cannot be responsively met. The inherent adaptability of AEGIS Ship Combat Systems results primarily from the proper implementation of computer programs in the overall system design, and the intergration of these computer programs to hardware to achieve total system capability. The facility proposed is required as an integral part of the LSE necessary to recreate computer program problems encountered in the fleet and to design and evaluate changes required to keep AEGIS ships combat ready and capable of countering the evolving threat. The Navy cannot properly conduct LSE of AEGIS Ship Combat Systems.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA		
4. PROJECT TITLE AEGIS COMPUTER CENTER ADDITION		5. PROJECT NUMBER P-199

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 4-85
(b) Percent Complete as of January 1986........... 75
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 3-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(145)
(b) All Other Design Costs..........................(105)
(c) Total.. 250
(d) Contract...(215)
(e) In-house...(35)

(4) Construction start......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
AEGIS Baseline I:	OPN	1986	3,510
AEGIS Baseline II:	OPN	1986	7,770
AEGIS Baseline III:	OPN	1986	4,450
AEGIS Baseline IV:	OPN	1986	25,290
		TOTAL	41,020

(Note: Each baseline includes some or all of the following: Command Decision System, Weapon Control System, Fire Control System, Operational Readiness, Test System, Guided Missle System, AEGIS Combat Training System, AEGIS Display System, AIDS computer System, Simulation Groups, Peripheral Support Group, High Speed Digital Switch System, Interface Data Monitor System, Support Equipment.)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL SURFACE WEAPONS CENTER,
DAHLGREN, VIRGINIA

4. PROJECT TITLE
PERSONNEL SUPPORT FACILITIES

5. PROGRAM ELEMENT: 6 58 96 N
6. CATEGORY CODE: 721.11
7. PROJECT NUMBER: P-231
8. PROJECT COST ($000): 5,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PERSONNEL SUPPORT FACILITIES	SF	45,340	-	4,020
BACHELOR ENLISTED QUARTERS	SF	29,440	73.00	(2,150)
BACHELOR OFFICER QUARTERS.	SF	6,500	80.00	(520)
MESS HALL.	SF	9,400	144.00	(1,350)
SUPPORTING FACILITIES	-	-	-	990
UTILITIES.	LS	-	-	(380)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(610)
SUBTOTAL	-	-	-	5,010
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST.	-	-	-	5,260
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	290
TOTAL REQUEST.	-	-	-	5,550
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,450
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One single-story and two two-story reinforced concrete and masonry buildings, concrete foundations and floors, built-up roofs; fire protection systems, air conditioning, utilities; 38 two-bedroom modules with private bathrooms; suites for senior officers have a living room, bedroom, bathroom, and kitchen; lounges, laundry, storage, vending, mechanical equipment; mess hall will feed 262 personnel.

Grade mix: 80 E1-E4, 32 E5-E6, 2 E7-E9. Total: 114.
10 O3-above. Total: 10.

11. REQUIREMENT: BEQ: 248 PN. ADEQUATE: 134 PN. SUBSTANDARD: 0 PN.
BOQ: 37 PN. ADEQUATE: 27 PN. SUBSTANDARD: 0 PN.
MESS HALL: 9,400 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides adequate billeting for 10 officers, 114 enlisted personnel, and dining facilities for 262 enlisted personnel.

REQUIREMENT: Adequate billeting for 37 officers and 248 enlisted personnel. Enlisted personnel dining facilities adequate to support the loading requirement of 400 expected by 1990. These personnel are assigned to the AEGIS Combat System Training Center as staff personnel or students for replacement crew training of AEGIS class ships.

CURRENT SITUATION: Existing enlisted berthing capacity consists of 134 spaces, including accommodations found by seven personnel in the local community. Officer housing consists of 27 spaces assigned in the existing BOQ. There is insufficient existing housing to meet AEGIS requirements,

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA		
4. PROJECT TITLE PERSONNEL SUPPORT FACILITIES		5. PROJECT NUMBER P-231

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

resulting in overcrowding. Presently, a new construction deficiency of 114 enlisted spaces and 10 officer spaces exists. Existing mess hall has a maximium feeding capacity of 80 persons. Physical constraints of it's design make it impractical to expand the existing obsolete facility to satisfy new mess requirements. All projected housing space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED: Personnel assigned to the AEGIS training site will be without adequate housing and dining facilities.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	1-85
(b)	Percent Complete as of January 1986	75
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	3-86

(2) Basis:

(a) Standard or Definitive Design: Yes ___ No X

(b) Where Design Was Most Recently Used: ________

(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	(170)
(b)	All Other Design Costs	(200)
(c)	Total	370
(d)	Contract	(190)
(e)	In-house	(180)

(4) Construction start................ 11-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA	4. COMMAND OFFICE OF THE CHIEF OF NAVAL RESEARCH	5. AREA CONSTR. COST INDEX 0.92

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	19	110	1128	45	361	0	52	489	66	2270
b. END FY 19 91	19	110	1128	45	361	0	52	495	68	2278

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,111)
b. INVENTORY TOTAL AS OF 30 SEP 1985	49,320
c. AUTHORIZATION NOT YET IN INVENTORY	6,070
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	880
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	20,530
g. REMAINING DEFICIENCY	3,260
h. GRAND TOTAL	87,860

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
320.10	Underwater Equip Lab	LS	880	2-84	4-86
	TOTAL		880		

9. Future Projects:

a. Included in following program (FY 89):

321.10	Underwater Countermeasures Facility	58,300 SF	7,800
			7,800

b. Major planned next three years:

310.23	Research Laboratory	LS	5,000
320.10	Waterfront Test Facility	LS	6,700
721.11	Bachelor Enlisted Quarters	95,000 SF	7,200
722.10	Mess Hall	8,900 SF	1,630

10. Mission or Major Functions: Principal Navy RDT&E center for the application of science and technology associated with military operations carried out principally in the coastal region. Maintains the primary in-house research and development capability for inshore warfare including countermeasures, defense, surveillance, and interdiction; control technology; naval swimmer/diver support systems; salvage support; acoustic countermeasures; and amphibious operations.

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	590

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA	4. COMMAND OFFICE OF THE CHIEF OF NAVAL RESEARCH	5. AREA CONSTR. COST INDEX 1.03

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	0	0	0	0	0	0	0	0	0	0
b. END FY 1991	0	0	12	0	0	0	0	0	0	12

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of MCD&EC
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	1,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
371.17	Midway Research Center	LS	1,500	12-85	9-86
	TOTAL		1,500		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provide research on electronic equipment and systems.

11. Outstanding pollution and safety deficiencies: $000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA	4. PROJECT TITLE MIDWAY RESEARCH CENTER

5. PROGRAM ELEMENT N F I P 3 41 14 N	6. CATEGORY CODE 371.17	7. PROJECT NUMBER P-048	8. PROJECT COST ($000) 1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MIDWAY RESEARCH CENTER	LS	-	-	840
SUPPORTING FACILITIES.	-	-	-	510
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(170)
SUBTOTAL	-	-	-	1,350
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,420
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,500
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Concrete and masonry building, concrete foundation and floor, built-up roof, computer floor, security features, fire protection system, air conditioning, utilities.

11. REQUIREMENT: As Required.

PROJECT: Constructs a research building inside an existing fenced compound to house computer and measuring equipment.

REQUIREMENT: A laboratory remote from outside source electronic interference for conducting electronic tests on equipment and systems.

CURRENT SITUATION: The research laboratory is located in a high traffic area within Washington, DC. There are no facilities available at the laboratory for installation of this test equipment. Real estate availability restricts size of facilities that can be built without interfering with other operations, operations that could adversely effect this test facility, especially radio frequency interference.

IMPACT IF NOT PROVIDED: No facility will be available for conducting tests and evaluations on types of electronics that cannot be accommodated in the Washington laboratory.

(Continued on DD 1391c)

S/N 0102-LF-001-3910 ☆ U.S. Government Printing Office: 1984—

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA		
4. PROJECT TITLE MIDWAY RESEARCH CENTER		5. PROJECT NUMBER P-048

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................. 12-85
- (b) Percent Complete as of January 1986........... 20
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 9-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (65)
- (b) All Other Design Costs........................ (75)
- (c) Total... 140
- (d) Contract...................................... (125)
- (e) In-house...................................... (15)

(4) Construction start.......................... 6-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA	4. COMMAND OFFICE OF THE CHIEF OF NAVAL RESEARCH	5. AREA CONSTR. COST INDEX 1.03

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	36	107	3267	0	0	0	0	58	1306	4774
b. END FY 19 91	36	107	4160	0	0	0	0	58	1351	5712

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(842)
b. INVENTORY TOTAL AS OF 30 SEP 1985	100,260
c. AUTHORIZATION NOT YET IN INVENTORY	60,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,730
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	18,900
f. PLANNED IN NEXT THREE PROGRAM YEARS	41,600
g. REMAINING DEFICIENCY	77,300
h. GRAND TOTAL	307,340

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.19	Physics Laboratory Imprs	78,000 SF	8,730	6-85	8-86
	TOTAL		8,730		

9. Future Projects:

a. Included in following program (FY 88):

310.19	General Purpose Lab Modn	170,830 SF	15,000
890.50	Energy Mon & Control Sys	LS	3,900
			18,900

b. Major planned next three years:

310.17	Electro-Optics Lab	80,000 SF	19,800
317.10	Secure Communications Lab	75,000 SF	21,800

10. Mission or Major Functions: The Naval Research Laboratory is a multidisciplinary laboratory addressing almost all areas of science and technology of interest to the Navy; exceptions are medicine and weapons. The laboratory has its primary mission in the physical sciences and related fields where it conducts scientific research and development directed towards new and improved materials, equipment, techniques and systems. In addition, NRL is the lead laboratory in electronic warfare because of unique capabilities in this area.

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA	4. PROJECT TITLE PHYSICS LABORATORY IMPROVEMENTS

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 310.19	7. PROJECT NUMBER P-025	8. PROJECT COST ($000) 8,730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICS LABORATORY IMPROVEMENTS.	SF	78,000	-	6,750
BUILDING ALTERATIONS AND MODERNIZATION . .	SF	46,000	77.00	(3,560)
BUILDING ADDITION.	SF	32,000	94.00	(3,000)
BUILT-IN EQUIPMENT	LS	-	-	(190)
SUPPORTING FACILITIES.	-	-	-	1,290
ELECTRICAL UTILITIES	LS	-	-	(250)
MECHANICAL UTILITIES	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(730)
SUBTOTAL	-	-	-	8,040
CONTINGENCY (5%)	-	-	-	400
TOTAL CONTRACT COST.	-	-	-	8,440
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	460
TOTAL REQUEST.	-	-	-	8,900
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,730
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Renovate, alter, modernize two buildings; shielding, oil handling system, bridge crane, isolated electric power supply; computational area building addition; fire protection system, air conditioning, utilities; demolition of one building.

11. REQUIREMENT: 145,790 SF. ADEQUATE: 67,790 SF. SUBSTANDARD: 66,460 SF.

PROJECT: Modernizes two buildings including a three-story building addition for specialized capabilities toward rapid advances being made in high energy technology.

REQUIREMENT: Adequate laboratory facilities for R&D of directed-energy weapons to give the fleet a greatly improved tactical ship defensive capability against airborne threats. Necessary research into new directed-energy concepts requires facilities for production and propagation of beams of high energy electrons and high-power electromagnetic radiation. Space is required for the simulation and prediction of nuclear and directed energy weapon effects on strategic and tactical systems for the Navy and Department of Defense. The facilities needed for these programs are an outgrowth of the accelerator and charged particle beam development, and the studies on laser beam interaction with the atmosphere. These investigations require large laboratory spaces, heavy lift capabilities, extensive shielding, megawatt-sized power supplies, and a 100,000-gallon storage and transfer system for high grade di-electric oil.

CURRENT SITUATION: Research equipment has expanded in sophistication and size to the extent existing facilities can no longer accommodate present

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA		
4. PROJECT TITLE PHYSICS LABORATORY IMPROVEMENTS		5. PROJECT NUMBER P-025

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
requirements, nor can personnel safety be maintained. Existing facilities restrict size of desired experiments, eliminating the possibility of evolving these experiments to the next level of research to prove the feasibility of proposed defense systems. Present facilities cannot be modified because of high-cost features, such as isolated power, specialized foundations and shielding. Overcrowding exists creating possible personnel hazards and costly downtime for repairs of diagnostic systems which fail because of excessive heat, cold and contamination. Current space is inadequate for planned development of more powerful lasers, and increased applications of them require a very clean environment with precisely maintained temperatures and the use of hazardous materials such as explosives, enormous quantities of transformer oil, and reactive chemicals.
IMPACT IF NOT PROVIDED: Navy will be unable to fully capitalize on R&D concepts which currently has no space for specialized and unique equipment, propagation range and target area, and whose work cannot be carried out elsewhere. A delay in providing this laboratory will impact on the application of advancement in the areas of directed energy and laser beam propagation jeopardizing successful development of advanced tactical ship defense systems and other classified programs not indicated.
ADDITIONAL: A secondary economic analysis compared various alternatives to either remain in existing spaces, construct a new facility, lease, or rehabilitate other existing buildings. The conclusion, it is more economical and secure to modernize other existing facilities.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................. 6-85
(b) Percent Complete as of January 1986............ 40
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete........................... 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(400)
(b) All Other Design Costs.........................(375)

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA		
4. PROJECT TITLE PHYSICS LABORATORY IMPROVEMENTS		5. PROJECT NUMBER P-025

12. SUPPLEMENTAL DATA: (Continued)

(c) Total... 775
(d) Contract.. (750)
(e) In-house.. (25)

(4) Construction start.......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

STRATEGIC SYSTEMS PROJECT OFFICE

FY 1987 MILITARY CONSTRUCTION PROGRAM
STRATEGIC SYSTEMS PROJECT OFFICE INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NSB Kings Bay, GA	188	Dockside Handling Building	$ 3,340	$ 3,340	611
	262	Refit Wharf	23,500	23,500	613
	207	Dredging (Phase I)	50,400	50,400	615
	215	Off-Crew Operations Building	7,400	7,400	617
	132A	Drydock (Phase II)	0	45,450	619
	141	Strategic Weapons System Second Level Maintenance Shops	3,930	3,930	621
	171	Refit Support Facility	2,950	2,950	623
	209	Defensive Ordnance Support Facilities	3,440	3,440	625
	380	Diesel Fuel Facilities	1,960	1,960	627
	158	Strategic Weapons Magazines	16,700	16,700	629
	196	Provision Warehouse	2,160	2,160	631
	172	Ready Stores Facility	1,270	1,270	633
	241	Commander Submarine Group Office	1,550	1,550	635
	179	Bachelor Officer Quarters	3,440	3,440	637
	902	Community Impact Assistance	5,100	5,100	639
	187	Utilities and Site Improvements	4,900	4,900	640
	425	Fire Station	350	350	769
		Subtotal	132,390	177,840	
TOTAL - STRATEGIC SYSTEMS PROJECT OFFICE			132,390	177,840	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. COMMAND STRATEGIC SYSTEMS PROJECT OFFICE	5. AREA CONSTR. COST INDEX 0.93

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	179	1964	2977	0	0	0	0	0	0	5120
b. END FY 1991	489	5232	4330	10	100	10	0	0	0	10171

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (16,710)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	132,820
c. AUTHORIZATION NOT YET IN INVENTORY	874,230
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	132,390
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	178,750
f. PLANNED IN NEXT THREE PROGRAM YEARS	129,900
g. REMAINING DEFICIENCY	9,840
h. GRAND TOTAL	1,457,930

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.60	Dockside Handling Bldg	11,400 SF	3,340	1-85	3-86
152.50	Refit Wharf	720 FB	23,500	3-84	7-86
165.10	Dredging	10,100,000 CY	50,400	12-84	8-86
171.10	Off-Crew Operations Bldg	96,000 SF	7,400	12-84	8-86
213.10	Drydock	700 FB	0*	9-81	9-85
213.51	SWS 2nd Level Maint Shops	44,900 SF	3,930	3-85	8-86
213.77	Refit Support Facility	33,600 SF	2,950	10-84	7-86
216.30	Defensive Ord Support Facs	17,250 SF	3,440	5-85	8-86
411.30	Diesel Fuel Facilities	10,000 BL	1,960	12-84	7-86
421.72	Strategic Weapons Magazines	93,660 SF	16,700	5-85	3-86
431.10	Provision Warehouse	29,000 SF	2,160	3-85	8-86
441.72	Ready Stores Facility	16,000 SF	1,270	10-84	4-86
610.10	Cmdr Submarine Group Off	15,000 SF	1,550	11-84	8-86
724.11	Bachelor Officer Quarters	42,500 SF	3,440	10-84	4-86
730.10	Fire Station	LS	350	9-85	7-86
932.10	Community Impact Assistance	LS	5,100	-	-
932.20	Utilities & Site Improvements	LS	4,900	7-84	8-86
	TOTAL		132,390		

*FY 1986 authorization in the amount of $125,600,000 was approved. However, only $40,000,000 authorization approved for funding in FY 1986. This program (Phase II) requests authorization for funding in amount of $45,450,000.

9. Future Projects:

a. Included in following program (FY 88):

143.77	Ballast Can Facility	20,150 SF	750
151.80	Magnetic Silencing Facility	700 FB	17,100

(Continued on next page)

NAVAL SUBMARINE BASE
KINGS BAY, GEORGIA

9a. Future Projects (Continued)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)
165.10	Dredging	8,950,000 CY	77,100
212.77	Launcher Supply Storage	10,000 SF	900
213.10	Drydock	70,000 SF	(24,300)
213.30	Non-Metallic Shop	9,400 SF	1,800
213.60	Hull Cleaning Support Fac	4,200 SF	650
213.68	Diving Locker	2,550 SF	950
215.50	Launcher Equipment Proc Bldg	4,700 SF	2,400
219.10	Public Works Facility	15,280 SF	1,900
229.50	Printing Plant	12,000 SF	1,750
421.22	Defensive Ordnance Facs	LS	2,100
421.72	Missile Motor Magazines	37,500 SF	9,950
441.10	Refit Warehouse Addition	64,500 SF	8,500
441.35	Refit Covered Storage	10,200 SF	800
550.10	Medical & Dental Clinic Addn	58,600 SF	7,600
721.00	Bachelor Enlisted Quarters	109,500 SF	7,800
730.20	Security Headquarters	11,900 SF	2,500
730.77	Personnel Support Storage	10,000 SF	600
730.83	Chapel & Religious Ed Fac	31,400 SF	3,600
740.26	Industrial Area Cafeteria	8,700 SF	1,400
740.38	Auto Hobby Shop Addition	6,000 SF	950
740.55	Youth Center	32,170 SF	3,700
740.74	Child Care Center Addition	10,300 SF	1,200
740.76	Library	15,600 SF	1,700
831.15	Industrial Waste Facilities	LS	5,350
932.10	Community Impact Assistance	LS	4,700
932.20	Utilities & Site Imprs	LS	11,000
			178,750

(Prior year authorization)

10. Mission or Major Functions: Provide facilities for refit of POSEIDON and TRIDENT submarines equipped with the TRIDENT I & II (C-4 & D-5) missiles.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE DOCKSIDE HANDLING BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1 12 28 N	143.60	P-188	3,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DOCKSIDE HANDLING BUILDING	SF	11,400	-	2,200
BUILDING	SF	11,400	144.00	(1,640)
SIMULATOR PIT AND ACCESS APRON	LS	-	-	(200)
BUILT-IN EQUIPMENT	LS	-	-	(360)
SUPPORTING FACILITIES.	-	-	-	850
UTILITIES.	LS	-	-	(350)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(500)
SUBTOTAL	-	-	-	3,050
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3200
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	180
TOTAL REQUEST.	-	-	-	3,380
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,340
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel frame building, masonry and insulated metal panel walls, concrete foundation, built-up insulated roof, high-bay area, access apron, overhead bridge cranes, simulator pit, fire protection system, lightning protection system, security system, air conditioning, utilities.

11. REQUIREMENT: 11,400 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs building to support dockside missile handling operations at the explosives handling wharves.

REQUIREMENT: Adequate handling, receiving and storage facilities to prepare missiles and components for loading and off-loading operations conducted at the explosives handling wharves. A pit for a service unit/reentry system operational simulator is required for training.

CURRENT SITUATION: There are no facilities at Kings Bay to accomplish this requirement.

IMPACT IF NOT PROVIDED: Safe operational handling of TRIDENT II (D-5) missiles at dockside cannot be accomplished, and training of personnel in proper missile installation techniques cannot be conducted.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE DOCKSIDE HANDLING BUILDING		5. PROJECT NUMBER P-188

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	1-85
(b)	Percent Complete as of January 1986	80
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	3-86

(2) Basis:

(a) Standard or Definitive Design: Yes___ No X

(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	(180)
(b)	All Other Design Costs	(60)
(c)	Total	240
(d)	Contract	(230)
(e)	In-house	(10)

(4) Construction start 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE REFIT WHARF

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1 12 28 N	152.50	P-262	23,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REFIT WHARF.	FB	720	-	17,090
WHARF.	SY	8,100	900.00	(7,290)
BUILDING	SF	8,800	57.00	(500)
BERTHING FENDER SYSTEM	LS	-	-	(4,300)
CRANE AND TRACKAGE	LS	-	-	(5,000)
SUPPORTING FACILITIES.	-	-	-	4,500
UTILITIES, PAVING & SITE IMPROVEMENT . . .	LS	-	-	(4,500)
SUBTOTAL	-	-	-	21,590
CONTINGENCY (5%)	-	-	-	1,080
TOTAL CONTRACT COST.	-	-	-	22,670
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,250
TOTAL REQUEST.	-	-	-	23,920
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	23,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Marginal wharf 720 feet long, concrete deck 17 feet above MLW, piling; concrete deck, crane rails, one portal 25 ton crane; submarine servicing utility systems; one-story masonry building, built-up roof; electrical substation, security system, fire protection system.

11. REQUIREMENT: 2,160 FB. ADEQUATE: 720 FB. SUBSTANDARD: 0 FB.

PROJECT: Constructs a refit wharf to accommodate one OHIO class submarine with servicing utilities (hotel services), portal crane and supporting facilities.

REQUIREMENT: Facilities for mooring submarines to permit inspection, removal, repair, and maintenance of the ship's machinery, equipment, and component systems; and replenishing consumable supplies. Construction must be completed during 1989 to satisfy submarines deployed and shakedown berthing requirements.

CURRENT SITUATION: Three refit wharves are necessary to support refit operations for a squadron of OHIO class submarines. One refit wharf is under construction. This wharf will be insufficient to provide the maintenance required by OHIO class submarines during the closely scheduled refit periods and the shakedown periods of new submarines.

IMPACT IF NOT PROVIDED: Insufficient pier space to support submarine berthing requirements.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE REFIT WHARF		5. PROJECT NUMBER P-262

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 3-84
(b) Percent Complete as of January 1986........... 60
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes X No
(b) Where Design Was Most Recently Used: NSB Kings Bay

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(340)
(b) All Other Design Costs..........................(260)
(c) Total.. 600
(d) Contract...(450)
(e) In-house...(150)

(4) Construction start......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE DREDGING (PHASE I)

5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 165.10	7. PROJECT NUMBER P-207	8. PROJECT COST ($000) 50,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DREDGING	CY	10,100,000	3.60	36,360
DIKES.	LS	-	-	9,140
SUBTOTAL	-	-	-	45,500
CONTINGENCY (5%)	-	-	-	2,270
TOTAL CONTRACT COST.	-	-	-	47,770
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	2,630
TOTAL REQUEST.	-	-	-	50,400
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	50,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Dredge channel from approximately Fort Clinch outbound to the beginning of St Mary's entrance channel, approximately 12.4 nautical miles, widen and deepen channel to 500 feet and 46 feet MLW respectively, plus two-foot advance maintenance dredging; realign intercoastal waterway; turning basin; construct dikes to retain dredged material; provide range for channel dog-leg.

11. REQUIREMENT: 41,900,000 CY. ADEQUATE: 19,200,000 CY. SUBSTANDARD: 0 CY.

PROJECT: Provides channel dredging for OHIO class submarines.

REQUIREMENT: Safe maneuvering area and operating depths for OHIO class submarines from the Atlantic Ocean to Kings Bay waterfront facilities. This portion of the total dredging requirement is sequentially related to previous dredging projects.

CURRENT SITUATION: The existing water depths are inadequate to accommodate OHIO class submarines.

IMPACT IF NOT PROVIDED: The OHIO class submarines will not be able to reach the refit and other waterfront facilities for replenishment, repair, and other support.

ADDITIONAL: This project provides dredging of the channel and is the fifth increment (proposed to be accomplished in two phases) of the total dredging requirement for channel and waterfront facilities. Ship motion and modeling studies have been conducted to determine required operating depths and advanced dredging requirements.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE DREDGING		5. PROJECT NUMBER P-207

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started............................ 12-84
- (b) Percent Complete as of January 1986........... 60
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete............................ 9-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(1,365)
- (b) All Other Design Costs........................(830)
- (c) Total... 2,195
- (d) Contract......................................(1,755)
- (e) In-house......................................(440)

(4) Construction start.......................... 12-86 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE OFF-CREW OPERATIONS BUILDING

5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 171.10	7. PROJECT NUMBER P-215	8. PROJECT COST ($000) 7,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OFF-CREW OPERATIONS BUILDING	SF	96,000	-	6,180
BUILDING	SF	96,000	64.00	(6,140)
BUILT-IN EQUIPMENT	LS	-	-	(40)
SUPPORTING FACILITIES	-	-	-	630
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT	LS	-	-	(320)
SUBTOTAL	-	-	-	6,810
CONTINGENCY (5%)	-	-	-	340
TOTAL CONTRACT COST	-	-	-	7,150
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	390
TOTAL REQUEST	-	-	-	7,540
REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	7,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, concrete foundation and floors, masonry walls, built-up roof on insulation over steel deck, fire protection system, security system, air conditioning, utilities.

11. REQUIREMENT: 618,000 SF. ADEQUATE: 522,000 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs secure space for shore-based ship's crew operations and limited non-technical training for ten TRIDENT off-crews.

REQUIREMENT: Each TRIDENT off-patrol crew is a functional command which differs from an on-patrol crew only in that it is not aboard ship. A facility where off-crews can perform planning, personnel, and logistic tasks, and accomplish non-technical training in preparation for the next patrol is vital to maintaining crew integrity. This facility will be the hub of all off-crew activities and will also serve as the only point of contact for the families of crews at sea. As many as thirty new personnel will join a crew during each off-patrol rotation. This facility will provide indoctrination training for new crew members and in-rate training for all crew members working to qualify for a higher classification. This training is of a non-technical nature and does not require the specialized equipment and laboratories of the TRIDENT Training Facility necessary for instruction on sophisticated ship and missile systems. Off-crew operations training will include departmental and crew-wide briefings, watch-station qualification and initial submarine qualification, as well as courses on supply and administrative operations, career advancement, and general

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE OFF-CREW OPERATIONS BUILDING		5. PROJECT NUMBER P-215

11. REQUIREMENT: (Continued)
military training. These functions are the responsibility of the off-crew commanding officer. Another primary task for the off-crew is preparing for the next patrol. This includes review and revision of operational procedures, drafting of shipboard regulations, development and monitoring of refit schedules, menu planning and supply restocking plans, and updating of personnel and medical records.
CURRENT SITUATION: Space for off-crew operations does not exist at Kings Bay. Existing facilities are not adequately-sized or configured to accommodate this requirement.
IMPACT IF NOT PROVIDED: Space will not be available to accomplish the critical functions and tasks assigned off-crews. This will result in reduced crew proficiency and readiness, with possible resultant degradation in patrol performance.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	12-84
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	8-86

(2) Basis:

(a) Standard or Definitive Design: Yes___ No X

(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	(275)
(b) All Other Design Costs	(200)
(c) Total	475
(d) Contract	(440)
(e) In-house	(35)

(4) Construction start 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3915

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE DRYDOCK

5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 213.10	7. PROJECT NUMBER P-132A	8. PROJECT COST ($000) AUTH: 0* APPR: 45,450

9. COST ESTIMATES (PHASE II)

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DRYDOCK.	FB	700	-	96,940
DOCK STRUCTURE	SF	70,000	919.00	(64,333)
COVERED ENCLOSED BUILDING.	LS	-	-	(18,580)
CAISSON GATE	LS	-	-	(6,140)
SUPPORT BUILDINGS.	LS	-	-	(2,170)
BUILT-IN EQUIPMENT	LS	-	-	(5,720)
SUPPORTING FACILITIES.	-	-	-	18,700
UTILITIES.	LS	-	-	(18,700)
SUBTOTAL	-	-	-	115,640
CONTINGENCY (5%)	-	-	-	5,780
TOTAL CONTRACT COST.	-	-	-	121,420
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . .	-	-	-	6,680
TOTAL REQUEST.	-	-	-	128,100
*AUTHORIZED FY 1986 (INCL INFLATION ADJ) . . .	-	-	-	125,600
APPROVED FUNDING FY 1986	-	-	-	40,000
FUNDING REQUEST FY 1987 (INCL INFLATION ADJ)	-	-	-	45,450
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Graving dock, 700 feet long, 100 feet wide, 67 feet deep; caisson entrance gate, overhead electric traveling cranes, laydown area, storage and staging areas, drydock services building, berthing support building, pumping station, utilities.

11. REQUIREMENT: 700 FB. ADEQUATE: 0 FB. SUBSTANDARD: 0 FB.

PROJECT: Provides a covered drydock and supporting facilities to accommodate the OHIO Class submarine. Additional funding requests in subsequent fiscal years will be submitted to complete this project.

REQUIREMENT: Adequate facilities for submarine maintenance to be conducted at Kings Bay during 18-day refit periods between patrols; a drydocking is scheduled every fourth refit. An all weather enclosure to prevent interference and delay in the performance of sensitive work such as blast cleaning and painting of the submarine hull. The first scheduled drydocking is December 1990. Five years are required for construction, outfitting, training, and certification to be completed before the scheduled drydockings.

CURRENT SITUATION: There is no drydock at Kings Bay, and no east coast drydock certified for active nuclear ships is capable of meeting the TRIDENT refit drydocking schedules.

IMPACT IF NOT PROVIDED: Inability to perform necessary repairs on the OHIO Class submarines would jeopardize the submarine mission. Use of other east-coast drydocks would increase the refit time and reduce significantly

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE DRYDOCK		5. PROJECT NUMBER P-132A

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
the effective time on patrol, as well as potentially disrupt overhauling operations of surface ships and SSBNs. The distance between Kings Bay, where missiles must be on/off-loaded, and the nearest drydock at Norfolk is approximately 600 miles.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................. 9-81
(b) Percent Complete as of January 1986........... 100
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 9-85

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used:

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(5,510)
(b) All Other Design Costs..........................(2,410)
(c) Total... 7,920
(d) Contract..(7,715)
(e) In-house..(205)

(4) Construction start.............................. 1-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE STRATEGIC WEAPONS SYSTEM SECOND LEVEL MAINTENANCE SHOPS

5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 213.51	7. PROJECT NUMBER P-141	8. PROJECT COST ($000) 3,930

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STRATEGIC WEAPONS SYS 2ND LEVEL MAINT SHOPS.	SF	44,900	-	3,470
BUILDING	SF	44,900	72.00	(3,230)
COMPUTER FLOORING.	SF	(4,800)	20.00	(100)
BUILT-IN EQUIPMENT	LS	-	-	(140)
SUPPORTING FACILITIES.	-	-	-	200
UTILITIES.	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	3,670
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,850
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	210
TOTAL REQUEST.	-	-	-	4,060
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,930
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building with high-bay area, concrete foundation and floor, insulated metal and masonry walls, built-up roofing, overhead crane, air conditioning, security systems, fire protection system, utilities.

11. REQUIREMENT: 44,900 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a building to house electronic maintenance shops, supply, storage, and administrative activities.

REQUIREMENT: Second level maintenance capability at the waterfront to support strategic weapons subsystems on-board OHIO Class Submarines including missile guidance, navigation, fire control, missile launcher, and data recording. High-bay maintenance and storage areas for launcher tube cleaning equipment. Technical library with classified storage vault.

CURRENT SITUATION: There are no facilities at Kings Bay to provide second level maintenance for the strategic weapons system subsystems.

IMPACT IF NOT PROVIDED: The initial operating capability date of December 1989 cannot be attained, and reliability of the various strategic weapons system subsystems will be in doubt because of a lack of proper maintenance.

(Continued on DD 1391c)

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
STRATEGIC WEAPONS SYSTEM SECOND LEVEL MAINTENANCE SHOPS	P-141

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 3-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete............................ 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(225)
(b) All Other Design Costs..........................(25)
(c) Total... 250
(d) Contract..(240)
(e) In-house..(10)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE REFIT SUPPORT FACILITY

5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 213.77	7. PROJECT NUMBER P-171	8. PROJECT COST ($000) 2,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REFIT SUPPORT FACILITY	SF	33,600	–	2,340
BUILDING	SF	33,600	65.00	(2,180)
BUILT-IN EQUIPMENT	LS	–	–	(160)
SUPPORTING FACILITIES.	–	–	–	370
UTILITIES, PAVING & SITE IMPROVEMENT . . .	LS	–	–	(370)
SUBTOTAL	–	–	–	2,710
CONTINGENCY (5%)	–	–	–	140
TOTAL CONTRACT COST.	–	–	–	2,850
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%)	–	–	–	160
TOTAL REQUEST	–	–	–	3,010
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	–	–	–	2,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	–	–	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, insultated metal siding and masonry walls, built-up roofing, air conditioning, security system, utilities, fire protection system.

11. REQUIREMENT: 33,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs building to house supply storage space, an off-crew mess hall, and medical dispensary.

REQUIREMENT: Single point of contact for submarine crews for staging supply, material, and service requirements. The submarine crew must coordinate supply actions during submarine refits, including replenishing onboard stocks of consumable items and loading and unloading of material. The supply assistance team assists with these efforts, and this facility is necessary to provide the operations space and storage to pre-position non-food consumables. The mess hall will provide meals for the submarine off-crew, and in addition the on-crew if the submarine galley is not operating. The dispensary will provide for medical emergencies and for administering first aid to waterfront personnel. The dispensary will be directly accessible from the wharf and have easy ambulance access for transferring patients.

CURRENT SITUATION: This is a new mission. There are no existing facilities to satisfy the above requirements at the waterfront refit.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE
REFIT SUPPORT FACILITY

5. PROJECT NUMBER
P-171

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Refit operations would not provide efficient supply replenishment at the waterfront area. Submarine off-crews would have to travel to the galley on base for meals, disrupting refit evolutions. Waterfront medical emergencies would not be properly administered.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.................................10-84
- (b) Percent Complete as of January 1986..............35
- (c) Percent Complete as of October 1986..............100
- (d) Date Design Complete..............................7-86

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(180)
- (b) All Other Design Costs.............................(30)
- (c) Total...210
- (d) Contract...(205)
- (e) In-house...(5)

(4) Construction start...............................12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		4. PROJECT TITLE DEFENSIVE ORDNANCE SUPPORT FACILITIES	
5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 216.30	7. PROJECT NUMBER P-209	8. PROJECT COST ($000) 3,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DEFENSIVE ORDNANCE SUPPORT FACILITIES. . . .	SF	17,250	-	1,470
COUNTERMEASURES FACILITY	SF	10,500	86.00	(900)
DEFENSIVE WEAPONS FACILITY	SF	5,500	60.00	(330)
DEFENSIVE ORDNANCE STORAGE	SF	1,250	32.00	(40)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	1,660
ELECTRICAL UTILITIES	LS	-	-	(190)
MECHANICAL UTILITIES	LS	-	-	(620)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(850)
SUBTOTAL	-	-	-	3,130
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,290
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%)	-	-	-	180
TOTAL REQUEST.	-	-	-	3,470
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story steel frame buildings, concrete foundations and floors, insulated metal siding and roofing; one-single-story building, reinforced concrete walls and floors, concrete foundation, insulated metal roofing; cranes; security system, utilities, air conditioning, fire protection system.

11. REQUIREMENT: 17,250 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs laboratories and shops, offices and storage facilities.

REQUIREMENT: Storage, handling, inspection, assembly and disassembly, and servicing of defensive ordnance materials in support of OHIO class submarines during scheduled refit periods; supervision, security, quality, safety, and logistical spaces. Facilities are necessary to provide defensive ordnance support for timely refits of OHIO class submarines. Construction must be completed to permit the facilities to be certified and operational for the first refit.

CURRENT SITUATION: This is a new mission. There are no existing facilities at Kings Bay to support defensive ordnance operations.

IMPACT IF NOT PROVIDED: Defensive ordnance is essential in providing protection and evasion capability to the OHIO class submarine while deployed. These protection and evasion devices could not be provided to the submarine.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE DEFENSIVE ORDNANCE SUPPORT FACILITIES	5. PROJECT NUMBER P-209

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................... 5-85
(b) Percent Complete as of January 1986............ 35
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete............................. 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(210)
(b) All Other Design Costs............................(155)
(c) Total.. 365
(d) Contract...(325)
(e) In-house...(40)

(4) Construction start............................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE DIESEL FUEL FACILITIES

5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 411.30	7. PROJECT NUMBER P-380	8. PROJECT COST ($000) 1,960

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DIESEL FUEL FACILITIES	BL	10,000	-	880
STORAGE TANKS	BL	10,000	50.00	(500)
TANK TRUCK/CAR LOADING FACILITY	OL	1	160,000	(160)
TANK TRUCK/CAR UNLOADING FACILITY	OL	1	220,000	(220)
SUPPORTING FACILITIES	-	-	-	900
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(250)
PAVING & SITE IMPROVEMENT	LS	-	-	(500)
SUBTOTAL	-	-	-	1,780
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,870
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	100
TOTAL REQUEST	-	-	-	1,970
REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	1,960
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two 5,000 barrel above ground storage tanks, hardstand with a piping system to unload and load trucks and railroad cars, security system, lightning protection, fire protection system, utilities.

11. REQUIREMENT: 10,000 BL. ADEQUATE: 0 BL. SUBSTANDARD: 0 BL.

PROJECT: Constructs diesel fuel storage and dispensing facilities.

REQUIREMENT: Storage and delivery of diesel fuel for submarines, tugs, other small ships, emergency generators, thermal plant and various facilities.

CURRENT SITUATION: There are no facilities to store or dispense large volumes of diesel fuel at Kings Bay.

IMPACT IF NOT PROVIDED: Diesel fuel storage and dispensing facilities will not be available to support the TRIDENT II mission. The base will require constant resupply on a daily basis from small tanker trucks to maintain operations and will be incapable of meeting a surge demand in an emergency.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started............................12-84

(b) Percent Complete as of January 1986...........35

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE DIESEL FUEL FACILITIES		5. PROJECT NUMBER P-380

12. SUPPLEMENTAL DATA: (Continued)

(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete.......................... 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(70)
(b) All Other Design Costs........................(135)
(c) Total.. 205
(d) Contract......................................(175)
(e) In-house......................................(30)

(4) Construction start........................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
S/N 0102-LF-001-3911

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		4. PROJECT TITLE STRATEGIC WEAPONS MAGAZINES	
5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 421.72	7. PROJECT NUMBER P-158	8. PROJECT COST ($000) 16,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STRATEGIC WEAPONS MAGAZINES.	SF	93,660	-	11,680
MISSILE MOTOR MAGAZINES.	SF	93,660	110.00	(10,260)
ENVIRONMENTALLY-CONTROLLED AIR	LS	-	-	(1,420)
SUPPORTING FACILITIES.	-	-	-	3,680
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(2,540)
UTILITIES.	LS	-	-	(760)
PAVING & SITE IMPROVEMENT.	LS	-	-	(380)
SUBTOTAL	-	-	-	15,360
CONTINGENCY (5%)	-	-	-	770
TOTAL CONTRACT COST.	-	-	-	16,130
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	890
TOTAL REQUEST.	-	-	-	17,020
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	16,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Thirty earth-covered, reinforced concrete magazines, access aprons, concrete floors designed for air pallet operations, environmentally-controlled air, security systems, fire protection system, utilities.

11. REQUIREMENT: 234,150 SF. ADEQUATE: 46,830 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs storage magazines for missile motors and assembled missiles.

REQUIREMENT: Adequate storage for missiles and missile motors. A strict environmental condition must be maintained with tightly controlled humidity and temperature for missiles and missile motors. A special floor is necessary for air pallet operations.

CURRENT SITUATION: This is the second increment of strategic weapons magazines at Kings Bay. The first increment was approved in FY 1986, and this continues the orderly build-up of storage facilities for missiles and missile motors.

IMPACT IF NOT PROVIDED: The Strategic Weapons Facility Atlantic, will be incapable of providing adequate high explosive safety storage for TRIDENT missiles and related components. There is no other location on the east coast for TRIDENT II (D-5) missile outloads and offloads.

(Continued on DD 1391c)

☆U.S. Government Printing Office: 1984-720-012/17859

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE STRATEGIC WEAPONS MAGAZINES	5. PROJECT NUMBER P-158

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 5-85
- (b) Percent Complete as of January 1986.............. 80
- (c) Percent Complete as of October 1986.............. 100
- (d) Date Design Complete.............................. 3-86

(2) Basis:
- (a) Standard or Definitive Design: Yes X No ____
- (b) Where Design Was Most Recently Used: NSB Kings Bay, GA

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications.......... (185)
- (b) All Other Design Costs............................ (55)
- (c) Total... 240
- (d) Contract.. (235)
- (e) In-house.. (5)

(4) Construction start.............................. 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		4. PROJECT TITLE PROVISION WAREHOUSE	
5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 431.10	7. PROJECT NUMBER P-196	8. PROJECT COST ($000) 2,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROVISION WAREHOUSE.				
DRY STORAGE.	SF	29,000	-	1,230
COLD STORAGE	SF	21,200	32.00	(680)
BUILT-IN EQUIPMENT	SF	7,800	65.00	(510)
SUPPORTING FACILITIES.	LS	-	-	(40)
ELECTRICAL UTILITIES	-	-	-	770
MECHANICAL UTILITIES	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(130)
SUBTOTAL	LS	-	-	(400)
CONTINGENCY (5%)	-	-	-	2,000
TOTAL CONTRACT COST.	-	-	-	100
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	2,100
TOTAL REQUEST.	-	-	-	120
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,220
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	-	2,160
	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story building, concrete foundation and floor, insulated metal panel walls, single-ply roof on insulation over steel deck, fire protection system, humidity control, refrigeration, security system, utilities.

11. REQUIREMENT: 29,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a warehouse for receipt, storage and distribution of dry, chilled and frozen food provisions for TRIDENT Submarines.

REQUIREMENT: Adequate facility for receiving dry and cold storage, module assembly, and limited administrative space. TRIDENT Submarine refits are accomplished during a rigidly managed, 18-day-in-port cycle. During this period, the submarine is restocked with food provisions for its next patrol. Maintenance of the refit schedule depends upon a reliable supply of pre-assembled food provision modules.

CURRENT SITUATION: A warehouse suitable for dry and cold storage, and the preparation of TRIDENT submarine food provision modules does not exist at Kings Bay. The existing supply warehouse is not sized to accommodate this requirement and has no freeze or chill storage.

IMPACT IF NOT PROVIDED: Space for on-base storage and assembly of submarine food provision modules will not be available, jeopardizing the refit turn-around schedule.

(Continued on DD 1391c)

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE
PROVISION WAREHOUSE

5. PROJECT NUMBER
P-196

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 3-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete............................ 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(90)
(b) All Other Design Costs.........................(85)
(c) Total.. 175
(d) Contract...(145)
(e) In-house...(30)

(4) Construction start......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE READY STORES FACILITY

5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 441.72	7. PROJECT NUMBER P-172	8. PROJECT COST ($000) 1,270

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
READY STORES FACILITY	SF	16,000	-	810
BUILDING	SF	16,000	47.00	(750)
BUILT-IN EQUIPMENT	LS	-	-	(60)
SUPPORTING FACILITIES	-	-	-	350
UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
SUBTOTAL	-	-	-	1,160
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST	-	-	-	1,220
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	70
TOTAL REQUEST	-	-	-	1,290
REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	1,270
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, insulated metal panel and masonry walls, built-up roof, air conditioning, security system, utilities, fire protection system.

11. REQUIREMENT: 16,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a store for ready issue of general use items, plus associated bulk materials receiving and storage, and administrative areas.

REQUIREMENT: Supermarket style self-service store for non-repair, general use, low-cost, high-demand items for the TRIDENT Refit Facility, TRIDENT submarines and other activities at Kings Bay. Operational areas to store and process general use items and high demand pilferables, those items requiring flammable storage, controlled items and bulk material. Bulk material shipping and receiving areas.

CURRENT SITUATION: There is no capability at Kings Bay providing the low cost, high usage items of supply support for the submarine base, the TRIDENT Refit Facility and component activities.

IMPACT IF NOT PROVIDED: The TRIDENT Refit Facility would be incapable of providing ready stores supply support or efficiently storing, handling and maintaining the high usage items.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE READY STORES FACILITY		5. PROJECT NUMBER P-172

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.................................10-84
(b) Percent Complete as of January 1986............35
(c) Percent Complete as of October 1986............100
(d) Date Design Complete................................4-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(110)
(b) All Other Design Costs..............................(35)
(c) Total..145
(d) Contract...(140)
(e) In-house...(5)

(4) Construction start..............................12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE COMMANDER SUBMARINE GROUP OFFICE

5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-241	8. PROJECT COST ($000) 1,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMANDER SUBMARINE GROUP OFFICE	SF	15,000	69.00	1,040
SUPPORTING FACILITIES.	-	-	-	380
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(100)
UTILITIES.	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
SUBTOTAL	-	-	-	1,420
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,490
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,570
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,550
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Adds second story and antenna gallery space above base communications facility; two-story steel frame building, concrete foundation and floors, masonry walls, corrugated metal roof, air conditioning, fire protection system, security system, utilities.

11. REQUIREMENT: 251,000 SF. ADEQUATE: 236,000 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a headquarters office building.

REQUIREMENT: Adequate administrative space for the TRIDENT Submarine Group Commander and staff, located contiguously to communications and emergency command center facilities. The Submarine Group Commander will oversee the administration and training of off-patrol submarine crews. As senior Kings Bay officer, he will also coordinate the operations of the various local commands. In his role as local submarine operating and alternate broadcast authority, he will use the Emergency Command Center to direct base operations during wartime or other crisis situations.

CURRENT SITUATION: Existing and under-construction administrative space was planned to satisfy submarine base requirements and is not of adequate size to accommodate the TRIDENT Submarine Group Commander.

IMPACT IF NOT PROVIDED: There will be insufficient administrative space to support the TRIDENT mission. Command and control effectiveness will be impaired.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE COMMANDER SUBMARINE GROUP OFFICE		5. PROJECT NUMBER P-241

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started........................... 11-84
- (b) Percent Complete as of January 1986........... 35
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 8-86

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (100)
- (b) All Other Design Costs........................ (50)
- (c) Total.. 150
- (d) Contract..................................... (120)
- (e) In-house..................................... (30)

(4) Construction start........................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL SUBMARINE BASE,
KINGS BAY, GEORGIA

4. PROJECT TITLE
BACHELOR OFFICER QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1 12 28 N	724.11	P-179	3,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS.	SF	42,500	-	2,520
BERTHING SPACE	SF	41,000	60.00	(2,460)
DEPLOYED PERSONNEL STORAGE	SF	1,500	40.00	(60)
SUPPORTING FACILITIES.	-	-	-	670
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(350)
SUBTOTAL	-	-	-	3,190
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,350
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	180
TOTAL REQUEST.	-	-	-	3,530
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete frame building, concrete foundation and floors, masonry and stucco walls, asphalt shingle roof, fire protection system, air conditioning, and utilities; suites for junior officers have a combination living-bedroom, bathroom, and a pullman type kitchen; suites for senior officers have a living room, bedroom, bathroom, and kitchen; lounges, laundry, storage, vending, mechanical equipment.
Grade Mix: 23 W1-O2, 44 O3-above. TOTAL: 67.

11. REQUIREMENT: 134 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN.
PROJECT: Constructs adequate billeting for 67 officer personnel.
REQUIREMENT: Adequate housing for 134 officer personnel, either members of TRIDENT submarine crews, assigned to the base as permanent support, or on temporary duty. Fifty individual secure compartments for storage of personal belongings of TRIDENT submarine officers while on patrol. This project is the first increment of bachelor officer housing. The remaining projected space deficit will be satisfied by a follow-on project currently proposed for FY 1989.
CURRENT SITUATION: Existing berthing capacity consists of 20 bachelor enlisted quarters furnished for officer use. These rooms are required to house the TRIDENT enlisted population.
IMPACT IF NOT PROVIDED: Bachelor officers will continue to live in quarters which do not meet minimum size requirements for junior officers.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE BACHELOR OFFICER QUARTERS		5. PROJECT NUMBER P-179

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
This will, in turn, produce a shortage of billeting spaces for bachelor enlisted personnel, resulting in an adverse impact on morale and career retention efforts.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 10-84
- (b) Percent Complete as of January 1986.......... 80
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete.............................. 4-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(195)
- (b) All Other Design Costs..............................(90)
- (c) Total.. 285
- (d) Contract..(250)
- (e) In-house..(35)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL SUBMARINE BASE,
KINGS BAY, GEORGIA

4. PROJECT TITLE
COMMUNITY IMPACT ASSISTANCE

5. PROGRAM ELEMENT
1 12 28 N

6. CATEGORY CODE
932.10

7. PROJECT NUMBER
P-902

8. PROJECT COST ($000)
5,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNITY IMPACT ASSISTANCE	LS	-	-	5,020
SEWAGE TREATMENT PLANT EXPANSION.	LS	-	-	(1,400)
SOLID WASTE COLLECTION VEHICLES	LS	-	-	(270)
FIRE STATION EXPANSION.	LS	-	-	(50)
ROAD IMPROVEMENTS AND EQUIPMENT	LS	-	-	(850)
COURTHOUSE IMPROVEMENTS	LS	-	-	(430)
SANITARY LANDFILL EXPANSION	LS	-	-	(410)
COUNTY LIBRARY.	LS	-	-	(350)
SCHOOL DESIGN AND SITE PREPARATION.	LS	-	-	(500)
PATROL VEHICLES AND SCHOOL BUSES.	LS	-	-	(110)
RECREATION IMPROVEMENTS	LS	-	-	(150)
COMMUNITY IMPACT PLANNING ASSISTANCE. . . .	LS	-	-	(500)
TOTAL CONTRACT COST	-	-	-	5,020
SUPERVISION, INSPECTION & OVERHEAD.	-	-	-	180
TOTAL REQUEST	-	-	-	5,200
REQUEST LESS BUDGET INFLATION ADJUSTMENT. . .	-	-	-	5,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction of permanent public buildings and utility systems, and acquisition of vehicles and equipment for public services to the counties and municipalities of Camden County, GA; St Marys, GA; Kingsland, GA; Woodbine, GA; Nassau County, FL; Fernandina Beach, FL; and the school districts of Camden County, GA; and Nassau County, FL; planning assistance to all local counties and municipalities.

11. REQUIREMENT: As Required.

Section 801 of the FY 1981 Military Construction Authorization Act, as amended by Section 904(a) of the FY 1982 Military Construction Authorization Act, authorized DOD funding to provide planning assistance to the communities impacted by the location of the Kings Bay TRIDENT Submarine Base. Section 802 of the FY 1981 Military Construction Authorization Act, as amended by Section 904(b) of the FY 1982 Military Construction Authorization Act, authorizes DOD funding for public facilities and services required by the population growth directly related to the Kings Bay TRIDENT Submarine Base. A total Navy-related population of 27,600 is projected to move into the Kings Bay region by 1995. Previous year programs have included $18.059 million for community impact assistance for the Kings Bay region.

12. SUPPLEMENTAL DATA: Not Applicable.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	4. PROJECT TITLE UTILITIES AND SITE IMPROVEMENTS

5. PROGRAM ELEMENT 1 12 28 N	6. CATEGORY CODE 932.20	7. PROJECT NUMBER P-187	8. PROJECT COST ($000) 4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES AND SITE IMPROVEMENTS.	LS	-	-	4,510
ROADS.	LS	-	-	(1,500)
SITE IMPROVEMENTS.	LS	-	-	(1,000)
ELECTRICAL AND COMMUNICATIONS.	LS	-	-	(750)
WATER.	LS	-	-	(460)
SEWER.	LS	-	-	(800)
SUBTOTAL	-	-	-	4,510
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,740
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	260
TOTAL REQUEST.	-	-	-	5,000
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Roads, utilities, and site improvements.

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11. REQUIREMENT: As Required.

PROJECT: Provides roads, utility services, and site improvements.

REQUIREMENT: Adequate utility services and site improvements to support buildings and structures programmed for development of the East Coast TRIDENT Submarine Base. Provide basic utility and road infrastructure and site improvements before major building construction begins. This project is critical to the continued orderly development of Kings Bay in the most economical manner possible.

CURRENT SITUATION: Utilities and site improvements have been authorized in prior years to support the TRIDENT construction program. This is another increment of roads and utilities at Kings Bay required to support future programmed facilities.

IMPACT IF NOT PROVIDED: Road access, storm drainage, and utility services will not be available to facilitate building construction or enable planned occupancy of new buildings. Major construction sites will not be developed to permit an orderly start of construction of the operational buildings.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE UTILITIES AND SITE IMPROVEMENTS		5. PROJECT NUMBER P-187

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started............................ 7-84
(b) Percent Complete as of January 1986........... 70
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 8-86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........ (140)
(b) All Other Design Costs......................... (70)
(c) Total.. 210
(d) Contract....................................... (180)
(e) In-house....................................... (30)

(4) Construction start........................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

PROJECT JUSTIFICATION FORMS OUTSIDE THE UNITED STATES

MARINE CORPS

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDANT OF THE MARINE CORPS INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
MCAS Futenma, Okinawa, JA	285	Engine Maintenance Shop	$ 3,440	$ 3,440	644
	299	Passenger Terminal	830	830	785
		Subtotal	4,270	4,270	
MCB Camp Butler, Okinawa, JA	532	Electronics and Communications Maintenance Shop	2,750	2,750	647
	541	Building Environmental Improvements	6,200	6,200	649
		Subtotal	8,950	8,950	
TOTAL - COMMANDANT OF THE MARINE CORPS			13,220	13,220	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION FUTENMA, OKINAWA, JAPAN	4. COMMAND COMMANDANT OF THE MARINE CORPS	5. AREA CONSTR. COST INDEX 1.07

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	21	784	91	0	0	0	281	2114	0	3251
b. END FY 19 91	38	201	184	0	0	0	397	2602	34	3444

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of MCB
b. INVENTORY TOTAL AS OF 30 SEP 1985	26,140
c. AUTHORIZATION NOT YET IN INVENTORY	2,993
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,270
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,750
f. PLANNED IN NEXT THREE PROGRAM YEARS	10,000
g. REMAINING DEFICIENCY	29,540
h. GRAND TOTAL	77,490

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
141.11	Passenger Terminal	LS	830	5-85	6-86
211.21	Engine Maintenance Shop	21,400 SF	3,440	6-85	6-86
	TOTAL		4,270		

9. Future Projects:

a. Included in following program (FY 88):

211.05	Fire Protection System	LS	3,100
211.08	Airframes Maintenance Shop	LS	650
			3,750

b. Major planned next three years:

211.05	Maintenance Hangar	LS	5,000
214.40	Vehicle Holding Shed	16,260 SF	1,700
610.72	Squadron Headquarters	22,500 SF	3,300

10. Mission or Major Functions: Maintain and operate facilities and provide services and material to support operations of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

11. Outstanding pollution and safety deficiencies: ($000)

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION FUTENMA, OKINAWA, JAPAN	4. PROJECT TITLE ENGINE MAINTENANCE SHOP

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 211.21	7. PROJECT NUMBER P-285	8. PROJECT COST ($000) 3,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINE MAINTENANCE SHOP.	SF	21,400	-	2,500
BUILDING ADDITION.	SF	21,400	79.00	(1,700)
BUILDING ALTERATIONS	LS	-	-	(600)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	660
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(360)
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(300)
SUBTOTAL	-	-	-	3,160
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,320
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	180
TOTAL REQUEST.	-	-	-	3,500
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete and masonry building addition, high-bay area, compressed air, bridge crane, spray cleaning space including exhaust system; building alterations including x-ray and clean rooms; fire protection system, air conditioning, utilities.

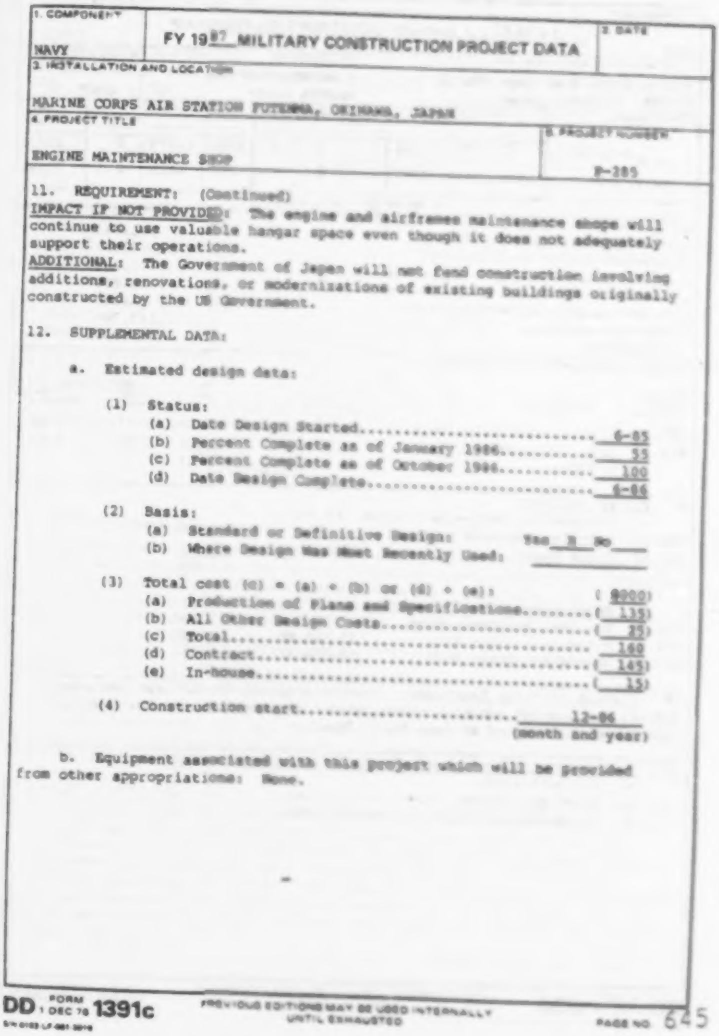
11. REQUIREMENT: 21,400 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs maintenance hangar building addition to support an engine maintenance shop.

REQUIREMENT: Adequate facilities to support the engine and airframes maintenance operations of the Marine Aircraft Group-36 intermediate maintenance department. They are responsible to maintain a pool of 49 engines of 5 different types plus support 68 aircraft stationed at Futenma. This effort supports all marine air helicopter and turboprop operations in the Western Pacific and the Indian Ocean.

CURRENT SITUATION: The airframe and engine shop share a hangar with a permanent detachment of six OV-10 aircraft. The space available is insufficient and inadequate for the specialized tasks required of a higher echelon maintenance activity. No facilities exist which properly allow for polyurethane painting or X-raying of large airframe components. With the hangar addition, each maintenance area will have sufficient space to perform their work, eliminating the necessity to compete for floor space with OV-10 aircraft.

(Continued on DD 1391c)



1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION FUTENMA, OKINAWA, JAPAN		
4. PROJECT TITLE ENGINE MAINTENANCE SHOP		5. PROJECT NUMBER P-285

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The engine and airframes maintenance shops will continue to use valuable hangar space even though it does not adequately support their operations.
ADDITIONAL: The Government of Japan will not fund construction involving additions, renovations, or modernizations of existing buildings originally constructed by the US Government.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 6-85
(b) Percent Complete as of January 1986............ 55
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete............................. 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes X No ___
(b) Where Design Was Most Recently Used: ___

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......... (135)
(b) All Other Design Costs.......................... (25)
(c) Total.. 160
(d) Contract... (145)
(e) In-house... (15)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO. 645

1. COMPONENT				FY 1987 MILITARY CONSTRUCTION PROGRAM						2. DATE
NAVY										

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
MARINE CORPS BASE CAMP SMEDLEY D. BUTLER, OKINAWA, JAPAN	COMMANDANT OF THE MARINE CORPS	1.07

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	71	765	253	0	0	0	1886	22075	0	25050
b. END FY 19 91	1505	15695	3596	0	0	0	265	4819	0	25880

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (80,971)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	391,040
c. AUTHORIZATION NOT YET IN INVENTORY	5,560
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,600
g. REMAINING DEFICIENCY	165,700
h. GRAND TOTAL	587,850

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217.10	Elect & Comm Maint Shop	14,000 SF	2,750	6-85	5-86
610.10	Bldg Environmental Imprs	LS	6,200	5-85	6-86
	TOTAL		8,950		

9. Future Projects:

a. Included in following program (FY 88):

721.11	Bachelor Enlisted Quarters	LS	9,500
740.50	Field House	50,000 SF	2,500
			12,000

b. Major planned next three years:

211.75	Survival Equipment Shop	LS	1,300
214.51	Automotive Organ Shop	22,000 SF	2,200
214.51	Automotive Organ Shop	27,250 SF	1,100

10. Mission or Major Functions: Provide training facilities, logistics support and limited administrative support for Fleet Marine Force units located on Okinawa and at Camp Fuji, Japan.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP SMEDLEY D. BUTLER, OKINAWA, JAPAN	4. PROJECT TITLE ELECTRONICS AND COMMUNICATIONS MAINTENANCE SHOP

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 217.10	7. PROJECT NUMBER P-532	8. PROJECT COST ($000) 2,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP.	SF	14,000	-	1,850
BUILDING	SF	14,000	110.00	(1,550)
BUILT-IN EQUIPMENT	LS	-	-	(300)
SUPPORTING FACILITIES.	-	-	-	650
UTILITIES.	LS	-	-	(350)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(300)
SUBTOTAL	-	-	-	2,500
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,630
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,780
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,750
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, bridge crane, copper-shielded screen room, compressed air, functional areas of radio repair, teletype shop, satellite communications repair, storage, mechanical room; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 14,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 4,000 SF.

PROJECT: Constructs an electronics and communications maintenance shop to support the 7th Communications Battalion at Camp Hansen.

REQUIREMENT: Adequate facilities to support the essential maintenance of electronic equipment for the 7th Communications Battalion. The battalion's mission is second and third echelon maintenance on all electronic equipment, and fourth echelon maintenance on selected "state-of-the-art" communication equipment.

CURRENT SITUATION: The 7th Communications Battalion occupies a warehouse building unsuitable for use as a communications maintenance shop. It has insufficient space, an inadequate electrical distribution system, no environmental control, and lacks overhead crane service for loading and unloading repair vans and their associated equipment. The battalion presently maintains 31 repair vans. Because of the lack of building space and crane service, the fourth echelon maintenance of the larger vans is performed outside in a semi-tropical, salt-water environment, subject to monsoon rains.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP SMEDLEY D. BUTLER, OKINAWA, JAPAN		
4. PROJECT TITLE ELECTRONICS AND COMMUNICATIONS MAINTENANCE SHOP		5. PROJECT NUMBER P-532

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The 7th Communications Battalion will not have the capability to accommodate an additional 23 repair vans scheduled to be delivered in 1986, thereby compounding the adverse conditions described above. The 7th Communications Battalion will be significantly hindered in its abilities to service the sophisticated electronic equipment utilized in the communications network.
ADDITIONAL: Host nation funding is not considered feasible for this project. US Armed Forces have identified over three billion dollars of valid deficiencies for correction using Japanese Facilities Improvement Project (JFIP) funding. An increase in the number of Marine Corps accompanied tours in Japan necessitates an increase in new family housing units. A large deficiency in bachelor housing also requires new construction to maintain quality-of-life standards. In view of the limited JFIP funding available, and the impact of new housing costs on those funds, other urgent projects cannot make the cut, and therefore cannot be completed in a timely manner. To preclude a negative impact on the deployed units operational and material readiness, military construction funding is required.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started 6-85
- (b) Percent Complete as of January 1986 65
- (c) Percent Complete as of October 1986 100
- (d) Date Design Complete 5-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications .... (60)
- (b) All Other Design Costs .... (90)
- (c) Total 150
- (d) Contract .... (115)
- (e) In-house .... (35)

(4) Construction start 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP SMEDLEY D. BUTLER, OKINAWA, JAPAN	4. PROJECT TITLE BUILDING ENVIRONMENTAL IMPROVEMENTS	

5. PROGRAM ELEMENT 2 64 96 M	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-541	8. PROJECT COST ($000) 6,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BUILDING ENVIRONMENTAL IMPROVEMENTS.	LS	-	-	5,190
SUPPORTING FACILITIES.	-	-	-	500
UTILITIES.	LS	-	-	(500)
SUBTOTAL	-	-	-	5,690
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST.	-	-	-	5,980
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	330
TOTAL REQUEST.	-	-	-	6,310
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	6,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide and install central air conditioning in 24 administrative facilities, varying in size from 15 to 100-ton capacity, utilities upgrade.

11. REQUIREMENT: As Required.

PROJECT: Installs central air conditioning systems in administrative facilities at MCAS Futenma, Camps Schwab, Hansen, Foster, and Kinser.

REQUIREMENT: Adequate central air cooling system for more personnel comfort. The summer weather conditions on Okinawa average about 90°F with an 85% relative humidity.

CURRENT SITUATION: All facilities included in the project scope lack a central air conditioning system. Some of the facilities do have window units, but they are energy-intensive and do not provide even-cooling throughout the office spaces. In other facilities, the only relief from the extreme weather conditions is the use of electric fans. The lack of humidity control causes dampness and mildew damages to paper products and equipment.

IMPACT IF NOT PROVIDED: Productivity and morale will continue to be adversely affected.

ADDITIONAL: The Government of Japan will not fund construction involving additions, renovations, alterations, or modernizations of buildings originally constructed by the US Government.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP SMEDLEY D. BUTLER, OKINAWA, JAPAN		
4. PROJECT TITLE BUILDING ENVIRONMENTAL IMPROVEMENTS		5. PROJECT NUMBER P-541

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 5-85
(b) Percent Complete as of January 1986............ 65
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete.............................. 6-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......... (155)
(b) All Other Design Costs.......................... (90)
(c) Total.. 245
(d) Contract... (205)
(e) In-house... (40)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

CHIEF OF NAVAL OPERATIONS

FY 1987 MILITARY CONSTRUCTION PROGRAM
CHIEF OF NAVAL OPERATIONS INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
Various Locations	087	Host Nation Infrastructure Support	$ 300	$ 300	652
		Subtotal	300	300	
TOTAL - CHIEF OF NAVAL OPERATIONS			300	300	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION VARIOUS LOCATIONS	4. PROJECT TITLE HOST NATION INFRASTRUCTURE SUPPORT

5. PROGRAM ELEMENT 9 12 12 N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-087	8. PROJECT COST ($000) 300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HOST NATION INFRASTRUCTURE SUPPORT	LS	-	-	300
US INFRASTRUCTURE SUPPORT.	LS	-	-	(300)
(NON-NATO ELIGIBLE).	-	-	-	
TOTAL REQUEST.	-	-	-	300
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	300

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Funds will be utilized to cover non-NATO eligible expenses in the following areas: host nation costs, life safety, functional utility/livability/energy, administrative expenses, design support, joint formal acceptance inspection and audit, currency fluctuation losses, and restoration floor.

11. REQUIREMENT: VARIES.

The host nation support required varies for each individual NATO project. As the total requirement for each NATO project cannot be determined at project inception, this funding will cover above expenses of NATO projects active during FY 1987.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

COMMANDER IN CHIEF, ATLANTIC FLEET

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDER IN CHIEF, ATLANTIC FLEET INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NS Guantanamo Bay, CU	404	Standby Electric Power Generators	$ 2,600	$ 2,600	655
		Subtotal	2,600	2,600	
NF Keflavik, IC	542	Standby Generator Plant	1,570	1,570	658
		Subtotal	1,570	1,570	
NAS Keflavik, IC	309	Airfield Pavements	13,490	13,490	661
	460	Fuel Facilities	13,300	13,300	663
	520	Maintenance Hangar Alterations	350	350	785
		Subtotal	27,140	27,140	
LANTFLTWPNTRNGFAC Roosevelt Roads, PR	857	Range Operations Center Addition	4,220	4,220	671
	952	Land Acquisition	195	195	674
		Subtotal	4,415	4,415	
NS Roosevelt Roads, PR	425	Construction Battalion Equipment Maintenance Facility	3,930	3,930	666
	427	Security Facilities	2,360	2,360	668
	422	Underwater Demolition Team Facilities	790	790	786
		Subtotal	7,080	7,080	
TOTAL - COMMANDER IN CHIEF, ATLANTIC FLEET			42,805	42,805	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, GUANTANAMO BAY, CUBA	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 1.56

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	147	2056	1350	0	0	0	270	396	2600	6819
b. END FY 19 91	156	2257	1350	0	0	0	270	396	2600	7029

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(28,817)
b. INVENTORY TOTAL AS OF 30 SEP 1985	121,060
c. AUTHORIZATION NOT YET IN INVENTORY	29,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	16,400
f. PLANNED IN NEXT THREE PROGRAM YEARS	7,540
g. REMAINING DEFICIENCY	65,860
h. GRAND TOTAL	243,080

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811.60	Standby Elect Power Gens	3,000 KW	2,600	5-85	10-86
	TOTAL		2,600		

9. Future Projects:

a. Included in following program (FY 88):

213.30	Shore Intermediate Maint Act	LS	13,500
724.12	BOQ Modernization	52 PN	1,200
740.43	Gymnasium	LS	1,700
			16,400

b. Major planned next three years:

211.03	Corrosion Control Hangar	11,200 SF	2,040
841.40	Water Storage Tank	2,000,000 GA	1,900

10. Mission or Major Functions: Naval Station Guantanamo Bay is strategically located and is valuable to the United States in peacetime for Fleet training, readiness, and operations support. In contingency situations, or in the event of war, the Station would be essential for protection of sea lines of communications in the Caribbean and Gulf of Mexico.

Naval Air Station	Naval Hospital
Fleet Training Group	Marine Barracks
Fleet Composite Squadron 10	Naval Security Group Activity

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, GUANTANAMO BAY, CUBA	4. PROJECT TITLE STANDBY ELECTRIC POWER GENERATORS

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 811.60	7. PROJECT NUMBER P-404	8. PROJECT COST ($000) 2,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STANDBY ELECTRIC POWER GENERATORS.	KW	3,000	-	2,180
GENERATORS	KW	3,000	600.00	(1,800)
BUILDING	SF	3,000	110.00	(330)
TECHNICAL OPERATING MANUALS.	LS	-	-	(50)
SUPPORT FACILITIES	-	-	-	190
UTILITIES, PAVING & SITE IMPROVEMENT . . .	LS	-	-	(190)
SUBTOTAL	-	-	-	2,370
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,490
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	140
TOTAL REQUEST.	-	-	-	2,630
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three 1,000 KW diesel engine driven generators, electrical relays, breakers, synchronizer; fuel storage tank; pre-engineered metal building on concrete foundation and floor, hoist, fire protection system, utilities.

11. REQUIREMENT: 3,000 KW. ADEQUATE: 0 KW. SUBSTANDARD: 0 KW.

PROJECT: Provides for acquisition and installation of three diesel-engine-driven standby generators to supply electric power to all Leeward Point facilities in the event of a power loss. Power to Leeward Point is normally supplied from the power plant on the Windward Side main operating area via submarine cable across the bay.

REQUIREMENT: A reliable alternate source of electric power for Leeward Point is essential to assure this station's operations and support activities will not be jeopardized by an extended power outage because of cross-bay cable failure. The standby generators must be capable of carrying essential loads with only two units on line. Peak demand requirements must be satisfied ranging from 1,500 KW minimum to 3,000 KW maximum.

CURRENT SITUATION: The Leeward Point Air Station is physically separated from Windward Side main operating base by the Guantanamo Bay and River. There is no connecting road, and access is by means of a ferry line. Power and water are supplied to Leeward Point via submarine cable and pipeline laid across the bottom of the bay. Breaks in the cable because of normal or deliberate causes, occurred in 1971, 1976, and 1978, leaving the air station with a bare minimum of emergency power. Until recently, emergency

(Continued on DD 1391c)

U.S. Government Printing Office 1980—760-012/1914 3-1

READEX FICHE

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, GUANTANAMO BAY, CUBA		
4. PROJECT TITLE STANDBY ELECTRIC POWER GENERATORS		5. PROJECT NUMBER P-404

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

power on Leeward Point was provided by three 700 KW diesel engine generators. Two of the generators are out of commission because of age and lack of replacement parts. The third generator can no longer be connected to the distribution system because of failure in the switchgear. Age and lack of parts makes all three generators and the switchgear beyond feasible and economical repair. The only remaining standby power is provided by one portable 750 KW electric generator plant providing some support to only mission-essential areas as an interim measure. This means that only the control tower, communications, and airfield lighting have power while the housing, mess facilities, storage and other support functions do not. Previous cable repair experience indicates an outage of many days can be expected from a cable failure, because special equipment and manpower skills to make repairs must be mobilized from the US. In 1978, the cable was so badly deteriorated that it could not be repaired. Replacement took 90 days, during which time minimum power was provided by two 1,000 KW portable generator units. These gas turbine powered units are very expensive to operate compared to diesel units.

IMPACT IF NOT PROVIDED: Leeward Point will continue to be without satisfactory emergency power in the event of a failure or break in the cable.

12. SUPPLEMENTAL DATA:

a. Estimated design data:
 (1) Status:
  (a) Date Design Started.............................5-85
  (b) Percent Complete as of January 1986............50
  (c) Percent Complete as of October 1986............100
  (d) Date Design Complete...........................10-86
 (2) Basis:
  (a) Standard or Definitive Design: Yes___ No X
  (b) Where Design Was Most Recently Used: ______
 (3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  (a) Production of Plans and Specifications.........(55)
  (b) All Other Design Costs.........................(25)
  (c) Total..80
  (d) Contract.......................................(0)
  (e) In-house.......................................(80)
 (4) Construction start.............................1-87
 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL FACILITY, KEFLAVIK, ICELAND	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 2.56

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	15	160	0	0	0	0	0	0	0	175
b. END FY 19 91	13	162	0	0	0	0	0	0	0	175

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NAS
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	2,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,570
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	4,190

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
811.60	Standby Generator Plant	1,050 KW	1,570	7-85	10-86
	TOTAL		1,570		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Oceanograph observation in selected areas to provide Navy with information.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL FACILITY, KEFLAVIK, ICELAND	4. PROJECT TITLE STANDBY GENERATOR PLANT

5. PROGRAM ELEMENT 6 52 12 N	6. CATEGORY CODE 811.60	7. PROJECT NUMBER P-542	8. PROJECT COST ($000) 1,570

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STANDBY GENERATOR PLANT.	KW	1,050	1,360	1,430
SUBTOTAL	-	-	-	1,430
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,500
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,580
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,570
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three 350 KW diesel engine driven generators and associated equipment in an existing building; building modifications; removal of existing generators.

11. REQUIREMENT: 1,050 KW. ADEQUATE: 0 KW. SUBSTANDARD: 400 KW.

PROJECT: Provides three 350 KW standby diesel engine driven generators and associated equipment to satisfy increased power requirements.

REQUIREMENT: Increase the standby electric power generation capacity by an upgrade to the oceanographic processing technical equipment. Electrical power for computer equipment is provided by commercial power and backed by an uninterruptible power system. The rest of the activity uses commercial power and does not have adequate standby power. The non-technical power requirement has more than doubled in recent years. A reliable source of emergency power is necessary to ensure continued mission performance.

CURRENT SITUATION: The normal source of electrical power for the station is commercial hydro-electric power procured from the Iceland State Power and transmitted overland on pole lines. In addition to the lengthy scheduled power outages directed by Iceland State Power, there are also numerous temporary weather-related commercial power interruptions. The harsh and unpredictable climate experienced in Iceland severely limits the dependability of commercial power. Standby non-technical power generation is currently provided by one 200 KW and two 100 KW diesel generators. These generators do not meet the required demand of 1,050 KW.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL FACILITY, KEFLAVIK, ICELAND		
4. PROJECT TITLE STANDBY GENERATOR PLANT		5. PROJECT NUMBER P-542

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Inadequate standby electric power generation capacity for continuous performance of mission essential functions in the event of a loss of commercial power.

ADDITIONAL: This project is not in support of a US unit assigned to NATO and therefore, is not eligible for NATO infrastructure funding.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 7-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (25)
(b) All Other Design Costs........................ (25)
(c) Total... 50
(d) Contract...................................... (40)
(e) In-house...................................... (10)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEFLAVIK, ICELAND	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 2.56

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	290	2451	1175	0	0	0	90	372	0	4378
b. END FY 19 91	286	2518	1175	0	0	0	85	333	0	4397

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (23,341)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	285,850
c. AUTHORIZATION NOT YET IN INVENTORY	114,790
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	27,140
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	16,180
f. PLANNED IN NEXT THREE PROGRAM YEARS	41,400
g. REMAINING DEFICIENCY	128,780
h. GRAND TOTAL	614,140

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
113.20	Airfield Pavements	120,160 SY	13,490	8-80	8-86
211.07	Maintenance Hangar Alts	LS	350	6-84	3-86
411.20	Fuel Facilities	300,000 BL	13,300	6-85	10-86
	TOTAL		27,140		

9. Future Projects:

a. Included in following program (FY 88):

113.20	Airfield Pavements	LS	6,100
141.12	Air Terminal Conversion	LS	2,280
411.20	Fuel Facilities	LS	7,800
			16,180

b. Major planned next three years:

411.20	Fuel Facilities	LS	15,500
411.20	Fuel Facilities	LS	17,800

10. Mission or Major Functions: Iceland's location astride the Greenland-Iceland-Norway gap affords Navy land-based, anti-submarine forces a forward operating airfield and support complex. This facility also supports USAF Airborne (AWACS) and fighter-interceptor units in the air defense mission. Communications facilities provide essential coverage for Naval units operating in the North Atlantic and Norwegian Sea. Wartime contingency roles for this base would include critical support to military airlift and air defense augmentation missions.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	14,530
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEFLAVIK, ICELAND	4. PROJECT TITLE AIRFIELD PAVEMENTS

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 113.20	7. PROJECT NUMBER P-309	8. PROJECT COST ($000) 13,490

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRFIELD PAVEMENTS	SY	120,160		10,190
PARKING APRON.	SY	65,290	83.00	(5,430)
TAXIWAY.	SY	20,670	83.00	(1,720)
ACCESS ROAD.	SY	34,200	89.00	(3,040)
SUPPORTING FACILITIES.	-	-	-	1,990
UTILITIES.	LS	-	-	(840)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,150)
SUBTOTAL	-	-	-	12,180
CONTINGENCY (5%)	-	-	-	610
TOTAL CONTRACT COST.	-	-	-	12,790
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	700
TOTAL REQUEST.	-	-	-	13,490
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	13,490
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Concrete taxiway including shoulders; concrete parking apron including aircraft tie-downs, under pavement fuel piping; asphaltic concrete access highway; pavement lighting including taxiways H and K lighting; marking, striping, and drainage facilities.

11. REQUIREMENT: 363,790 SY. ADEQUATE: 195,030 SY. SUBSTANDARD: 0 SY.

PROJECT: Completes airfield parking apron and taxiway, and an access road to serve the new dual purpose air terminal under construction. Initial airfield improvements increment was approved in the FY 1986 Military Construction Program.

REQUIREMENT: A parking apron and taxiway for aircraft access to the new air terminal, and a parking area to load and off-load passengers and cargo. The access road provides passenger cars and buses a means of getting to the terminal from the existing local highway system. A Memorandum of Understanding (MOU) between the US and the Government of Iceland, dated 22 October 1974, provides for civilian and military ground aviation functions to be separated. The governments agreed, in July 1979, to jointly fund a dual purpose air terminal ($20 million maximum contribution from the US). The US also agreed to fully fund the airfield pavements and access road necessary to serve the new terminal. This project will finish the airfield improvements started in an earlier construction program.

CURRENT SITUATION: The civilian terminal is presently in the center of the military base on the military flight-line. As many as 20 civilian flights

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEFLAVIK, ICELAND		
4. PROJECT TITLE AIRFIELD PAVEMENTS		5. PROJECT NUMBER P-309

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

per day operate on the same parking apron used by US military aircraft, such as fighter, patrol, tanker and AWACS aircraft. Passengers circulate at will through and around the base going to and from the terminal. Transient aircraft of the Warsaw Pact and non-NATO aligned countries frequently use the existing terminal and parking apron, giving rise to further security concerns. The site of the new terminal is across the airfield in an undeveloped area. The route of the new access road will completely avoid the main operating base and on-base security will be greatly increased. Construction of the terminal began in 1983 and completion of the facility is expected in 1987. The initial increment of airfield improvements will provide limited taxiway access and aircraft parking at the terminal.

IMPACT IF NOT PROVIDED: The US will not fulfill the obligations of the agreements of 1974 and 1979 with the Government of Iceland. Security gains will not be realized. The new dual purpose air terminal will not have complete taxiway service, required parking area, and an access road that routes civilian traffic to the terminal without entering military areas.

ADDITIONAL: The new terminal reverts to military use in time of war or contingency. The old terminal becomes a US asset to be used for administrative functions by the Iceland Defense Force.

12. SUPPLEMENTAL DATA:

a. Estimated design data:
  (1) Status:
    (a) Date Design Started.............................. 8-80
    (b) Percent Complete as of January 1986........... 35
    (c) Percent Complete as of October 1986........... 100
    (d) Date Design Complete.............................. 8-86
  (2) Basis:
    (a) Standard or Definitive Design: Yes___ No X
    (b) Where Design Was Most Recently Used: ______
  (3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
    (a) Production of Plans and Specifications........(145)
    (b) All Other Design Costs..........................(125)
    (c) Total.. 270
    (d) Contract...(255)
    (e) In-house...(15)
  (4) Construction start.......................... 11-86
  (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEFLAVIK, ICELAND		4. PROJECT TITLE FUEL FACILITIES		
5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 411.20	7. PROJECT NUMBER P-460	8. PROJECT COST ($000) 13,300	

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL FACILITIES.				
STORAGE TANKS.	BL	300,000	-	14,550
FUEL PIPING.	BL	300,000	42.00	(12,600)
TECHNICAL OPERATING MANUALS.	LS	-	-	(1,920)
SUPPORTING FACILITIES AND DEMOLITION	LS	-	-	(30)
SUBTOTAL	LS	-	-	2,150
LESS: NATO SHARE.	-	-	-	16,700
SUBTOTAL: US SHARE.	-	-	-	-4,510
CONTINGENCY (5%)	-	-	-	12,190
TOTAL CONTRACT COST.	-	-	-	610
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	12,800
TOTAL REQUEST.	-	-	-	700
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	13,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	-	13,300
		-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three steel semi-buried 100,000-barrel fuel storage tanks with associated piping and equipment; fire protection, road, fencing, utilities; demolition and removal of nine 30,000-barrel tanks with associated fuel pier equipment and pipeline.

11. REQUIREMENT: 1,170,000 BL. ADEQUATE: 403,000 BL. SUBSTANDARD: 410,000 BL.

PROJECT: Provides three semi-buried fuel storage tanks constructed at the Helguvik fuel farm north of the Keflavik Air Base. These tanks will be used to store pre-positioned fuel for US national and NATO requirements, including peacetime operating stocks. Storage facilities for forces assigned to NATO are being funded in conjunction with this project through the Infrastructure Program.

REQUIREMENT: To adequately support US national and NATO plans for operations from the Keflavik airfield, a 45-day supply of fuel for contingency aviation and ground operations plus peacetime operating stocks, must be pre-positioned in hardened semi-buried tanks. Total requirement of 1,170,000 barrels of fuel will be programmed in seven increments. Overall funding responsibility splits approximately 50/50 US national and NATO. Incrementing is necessary because of the scope of the overall project and the need to assign work to the Iceland Prime Contractor commensurate with its ability to put work in-place. A deep-water fuel reception pier and transfer system were approved in an earlier request and are required near the fuel farm to permit rapid resupply of the tanks during a contingency.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEFLAVIK, ICELAND			
4. PROJECT TITLE FUEL FACILITIES		5. PROJECT NUMBER P-460	

11. REQUIREMENT: (Continued)

CURRENT SITUATION: About half the total program of eleven tanks, fuel pier, piping and ready issue tanks has been approved and construction is underway. NATO is an equal partner in the funding responsibility of the approved program. This project maintains the 50/50 funding split. Existing fuel storage facilities meet neither US national nor NATO requirements for 45-day, prepositioned storage. Existing on-base storage is capable of holding only one-third of the 45-day supply, with less than half of the tanks in secure, buried positions. Existing above-ground tanks are over 25 years old and the severe weather has deteriorated them. Extensive repairs were made in 1980 to prolong their usefulness until new tanks are built. Remaining available fuel storage is located 60 miles away at Hvalfjordur in leased, above-ground tanks. To reach the station, fuel from leased tanks must be transported by small Icelandic coastal barges to the interim unloading pier in the Town of Keflavik. This method of resupply would not keep pace with demand in a contingency situation.

IMPACT IF NOT PROVIDED: Fuel storage facilities in Iceland will be insufficient to meet US operating needs.

ADDITIONAL: Prefinancing under NATO procedures is not planned for this project. The fuel stored in these tanks will be dedicated to operating requirements of US national and NATO forces and to peacetime operating stocks. There will be no pre-financing associated with this project. NATO is contributing $4.51 million to this project for support of forces assigned to NATO in wartime.

12. SUPPLEMENTAL DATA:

a. Estimated design data:
    (1) Status:
        (a) Date Design Started............................ 6-85
        (b) Percent Complete as of January 1986............ 45
        (c) Percent Complete as of October 1986............ 100
        (d) Date Design Complete............................ 10-86
    (2) Basis:
        (a) Standard or Definitive Design: Yes___ No X
        (b) Where Design Was Most Recently Used: ______
    (3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
        (a) Production of Plans and Specifications........ (135)
        (b) All Other Design Costs........................ (80)
        (c) Total.. 215
        (d) Contract..................................... (200)
        (e) In-house..................................... (15)
    (4) Construction start.......................... 2-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, ROOSEVELT ROADS, PUERTO RICO	COMMANDER IN CHIEF, ATLANTIC FLEET	1.05

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	225	1900	1660	0	0	0	74	585	0	4444
b. END FY 19 91	230	2082	1660	0	0	0	74	585	0	4631

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(32,168)
b. INVENTORY TOTAL AS OF 30 SEP 1985	246,320
c. AUTHORIZATION NOT YET IN INVENTORY	18,890
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,080
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	950
f. PLANNED IN NEXT THREE PROGRAM YEARS	3,640
g. REMAINING DEFICIENCY	28,270
h. GRAND TOTAL	305,150

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.25	Underwater Demo Team Facs	LS	790	9-84	4-86
218.20	Const Batt Equip Maint Fac	33,840 SF	3,930	1-86	10-86
872.10	Security Facilities	LS	2,360	12-85	6-86
	TOTAL		7,080		

9. **Future Projects:**

a. Included in following program (FY 88):

441.30	Flammables Warehouse	1,640 SF	950
			950

b. Major planned next three years:

136.10	Approach Lighting	3,000 LF	1,300
441.10	Warehouse	24,780 SF	2,340

10. **Mission or Major Functions:** This activity provides operational and personnel support to Atlantic Fleet units in the Caribbean using the Atlantic Fleet Weapons range. One fleet composite squadron is homeported here. It also hosts headquarters commands having jurisdiction over naval units in the South Atlantic, Panama Canal, and Cuba.

Atlantic Fleet Weapons Training Facility	Commander Naval Forces Caribbean
Naval Hospital	US Commander South Atlantic Force
Fleet Composite Squadron VC-8	Commander Fleet Air Caribbean
Marine Barracks	Communications Station

11. **Outstanding pollution and safety deficiencies:** ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, ROOSEVELT ROADS, PUERTO RICO	4. PROJECT TITLE CONSTRUCTION BATTALION EQUIPMENT MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 46 96 N	218.20	P-425	3,930

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SEABEE EQUIPMENT MAINTENANCE FACILITY. . . .	SF	33,840	-	2,710
BUILDING	SF	33,840	77.00	(2,610)
BUILT-IN EQUIPMENT	SF	-	-	(100)
SUPPORTING FACILITIES.	-	-	-	860
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(250)
UTILITIES.	LS	-	-	(260)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(280)
DEMOLITION	LS	-	-	(70)
SUBTOTAL	-	-	-	3,570
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,750
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	210
TOTAL REQUEST.	-	-	-	3,960
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,930
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story tilt-up reinforced concrete wall building, concrete floor, pile foundation, concrete roof deck, compressed air system, hoist, vehicle lifts, fire protection system, air conditioning, utilities; demolition of three buildings.

11. REQUIREMENT: 33,840 SF. ADEQUATE: 0 SF. SUBSTANDARD: 28,800 SF.

PROJECT: Provides an equipment maintenance facility for the Seabee Camp at Roosevelt Roads.

REQUIREMENT: Adequate equipment maintenance facilities are necessary for the Mobile Construction Battalions deployed to Puerto Rico to repair and maintain construction equipment. The Naval Construction Battalions (Seabees) provide overseas construction support to the fleec. They build roads, bridges, airfields, fuel facilities, buildings, and other specialized facilities. The Seabees are required to maintain a high state of readiness because of their important role during mobilization. A battalion is comprised of four companies each specializing in different types of construction. Alpha Company is responsible for horizontal construction, such as roads and airfield pavements, and for maintenance of their bulldozers, road graders, rock crushers, cement mixers, and trucks. These large units of equipment are worked hard and require constant maintenance.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, ROOSEVELT ROADS, PUERTO RICO		
4. PROJECT TITLE CONSTRUCTION BATTALION EQUIPMENT MAINTENANCE FACILITY		5. PROJECT NUMBER P-425

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Existing facilities are located in a tropical and salty-air environment which has deteriorated most of the metal structures beyond economical repair. The existing pre-engineered buildings were constructed in 1969 and continuing maintenance over the years has not arrested the deterioration caused by harsh evironmental conditions. The facilities are undersized for proper maintenance of the 300 assigned units of civil engineer support equipment and have deteriorated to the point where insects and heavy rain can get in and adversely impact worker productivity.

IMPACT IF NOT PROVIDED: The battalion will not be able to maintain the organizational construction equipment in an operational ready condition. Seabees will continue to maintain their equipment in undersized, deteriorated facilities.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 1-86
(b) Percent Complete as of January 1986............ 35
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete.............................. 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes X No___
(b) Where Design Was Most Recently Used: Site Adaptation: Guam

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.........(120)
(b) All Other Design Costs...............................(70)
(c) Total.. 190
(d) Contract...(160)
(e) In-house...(30)

(4) Construction start.............................. 3-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION: NAVAL STATION, ROOSEVELT ROADS, PUERTO RICO

4. PROJECT TITLE: SECURITY FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 46 96 N	872.10	P-427	2,360

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY FACILITIES.	LS	-	-	280
ALARM CONTROL CENTER	SF	1,200	108.00	(130)
ACCESS PAVILIONS	LS	-	-	(130)
BUILT-IN EQUIPMENT	LS	-	-	(20)
SUPPORTING FACILITIES.	-	-	-	1,880
UTILITIES.	LS	-	-	(1,590)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(290)
SUBTOTAL	-	-	-	2,160
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,270
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	130
TOTAL REQUEST.	-	-	-	2,400
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,360
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(2,300)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Alarm control center, emergency generator, uninterruptible electric power supply system, electrical utilities, lighting, gates; site improvement to support security intrusion detection system.

11. REQUIREMENT: As Required.

PROJECT: Improves security around the airfield and the petroleum fuel tanks.

REQUIREMENT: Improved security around the airfield and fuel storage facilities to protect expensive aircraft and stored fuel and petroleum assets from terrorism and vandalism. Terrorism around the world is on the increase. Targets include US military installations, equipment, and personnel. Experiences, such as destruction of Navy aircraft in San Juan several years ago, highlight the need to improve security around military airfields and installations. Monitoring devices, alarms, lighting, and an alarm control center will greatly improve effectiveness of the fencing and will protect valuable aviation assets.

CURRENT SITUATION: The station provides support to fleet aviation and surface units exercising on the Atlantic Fleet Weapons Training Ranges located east of Puerto Rico. During exercises, numerous very expensive Navy aircraft are parked on the airfield exposed to potential terrorist attack. The station is also a logistics fuel storage depot with many fuel and petroleum storage tanks located at various points around the

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL STATION, ROOSEVELT ROADS, PUERTO RICO

4. PROJECT TITLE SECURITY FACILITIES	5. PROJECT NUMBER P-427

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
base. The station lacks an adequate security system necessary for the intrusion detection and access control of personnel to high security areas. There are no alarms, intrusion detection devices, perimeter lighting, or security control center facilities at the airfield and around the fuel storage tanks.

IMPACT IF NOT PROVIDED: Numerous expensive aircraft and other aviation assets and the fuel storage facilities will remain in jeopardy from terrorist attacks and vandalism.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................12-85
(b) Percent Complete as of January 1986............35
(c) Percent Complete as of October 1986............100
(d) Date Design Complete............................6-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(120)
(b) All Other Design Costs..........................(90)
(c) Total...210
(d) Contract..(190)
(e) In-house..(20)

(4) Construction start...........................1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Intrusion Detection System	OPN	1987	2,300

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION ATLANTIC FLEET WEAPONS TRAINING FACILITY, ROOSEVELT ROADS, PUERTO RICO	4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET	5. AREA CONSTR. COST INDEX 1.20

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	19	69	40	0	0	0	0	0	0	128
b. END FY 19 91	23	75	40	0	0	0	0	0	0	138

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NS
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	8,630
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,415
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	5,090
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	18,135

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.15	Range Operations Center Addn	43,870 SF	4,220	9-85	10-86
911.10	Land Acquisition	LS	195	-	-
	TOTAL		4,415		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

216.40	Torpedo Shop	14,570 SF	5,090

10. Mission or Major Functions: The Atlantic Fleet Weapons Training Facility provides range instrumentation and target control to Atlantic Fleet units exercising on the large air and ocean ranges east and southeast of Puerto Rico. Instrumentation includes radar control of drone targets, telemetry, electronic countermeasures exercises.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ATLANTIC FLEET WEAPONS TRAINING FACILITY, ROOSEVELT ROADS, PUERTO RICO	4. PROJECT TITLE RANGE OPERATIONS CENTER ADDITION	

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 143.15	7. PROJECT NUMBER P-857	8. PROJECT COST ($000) 4,220

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RANGE OPERATIONS CENTER ADDITION	SF	43,870	-	3,500
BUILDING CONVERSION AND ALTERATIONS. . . .	SF	17,000	59.00	(1,000)
ADMINISTRATIVE RANGE OPS CENTER BUILDING .	SF	22,000	61.00	(1,350)
BUILDING ADDITION.	SF	3,470	72.00	(250)
UTILITY BUILDING	SF	1,400	86.00	(120)
BUILT-IN EQUIPMENT	LS	-	-	(780)
SUPPORTING FACILITIES.	-	-	-	390
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(390)
SUBTOTAL	-	-	-	3,890
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST.	-	-	-	4,080
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	220
TOTAL REQUEST.	-	-	-	4,300
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,220
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		(26,840)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Conversion of administrative office area to range operations area; modernize range operations space; building addition; construct administrative range operations center building, computer flooring; elevator, electric power generators, uninterruptible electric power supply system; fire protection system, air conditioning, security alarm system, utilities.

11. REQUIREMENT: 73,470 SF. ADEQUATE: 29,600 SF. SUBSTANDARD: 16,670 SF.

PROJECT: Constructs administrative range operations center building and provides additional operations spaces in the Atlantic Fleet Weapons Training Facility (AFWTF) Operations Center by constructing a building addition and converting and modernizing existing administrative office spaces.

REQUIREMENT: Additional range operations spaces for new range computers and instrumentation equipment. The AFWTF operates, maintains, and develops weapons range facilities and services in direct support of fleet training on the four ocean ranges east of Puerto Rico. Fleet ships, aircraft, and submarines use the ranges for realistic, coordinated training. These unique ranges permit live gun and missile firing, simulated air attacks through the use of remote-controlled target drones, and large-scale, integrated ship exercises. The range operations center, located at the Naval Station, provides control of the drones, aircraft, and ship tracking

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
ATLANTIC FLEET WEAPONS TRAINING FACILITY, ROOSEVELT ROADS, PUERTO RICO

4. PROJECT TITLE
RANGE OPERATIONS CENTER ADDITION

5. PROJECT NUMBER
P-857

11. REQUIREMENT: (Continued)
and coordination, and a simulated hostile operating environment through the use of electronic emissions. Atlantic Fleet usage of the ranges has increased as new ships are commissioned. More realistic operating environments can be achieved through the use of sophisticated electronics and computer systems. Additional space is required to permit installation of new equipment providing additional training capability on the ranges.
CURRENT SITUATION: The range operations center is very congested. Planned range improvement and expansion programs designed to better support fleet training requires additional instrumentation and support space. This project will provide space for current range command and control departments now located in remote and inadequate buildings. Transmissions to ships and aircraft are not presently encoded. This project will provide secure communications. New equipment to be provided will improve range communications, surveillance, electronic warfare simulation, and range information processing.
IMPACT IF NOT PROVIDED: Space will not be available for installation of new computer and range instrumentation equipment. Current functions will remain in congested spaces and in remote, inadequate buildings. Range capabilities will not grow with the Atlantic Fleet and its demands for realistic, large-scale training.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 9-85
(b) Percent Complete as of January 1986.......... 35
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No_X_
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (120)
(b) All Other Design Costs......................... (135)
(c) Total.. 255
(d) Contract....................................... (245)
(e) In-house....................................... (10)

(4) Construction start.......................... 1-87
(month and year)

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ATLANTIC FLEET WEAPONS TRAINING FACILITY, ROOSEVELT ROADS, PUERTO RICO		
4. PROJECT TITLE RANGE OPERATIONS CENTER ADDITION		5. PROJECT NUMBER P-857

12. SUPPLEMENTAL DATA: (Continued)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Communication and Surveillance Equipment	APA	1987-1990	26,840

1. COMPONENT NAVY	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION ATLANTIC FLEET WEAPONS TRAINING FACILITY, ROOSEVELT ROADS, PUERTO RICO	4. PROJECT TITLE LAND ACQUISITION

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 911.10	7. PROJECT NUMBER P-952	8. PROJECT COST ($000) 195

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION.	LS	-	-	175
SUBTOTAL	-	-	-	175
CONTINGENCY (5%)	-	-	-	10
TOTAL CONTRACT COST.	-	-	-	185
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	10
TOTAL REQUEST.	-	-	-	195
TOTAL REQUEST (ROUNDED).	-	-	-	195
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Acquisition of interests in approximately 11 acres of land.

11. REQUIREMENT: As Required.

PROJECT: Acquires ownership of land in St. Croix.

REQUIREMENT: The Atlantic Fleet Weapons Training Facility (AFWTF) operates weapons range facilities and services in direct support of the training of fleet forces for the development, test, and evaluation of weapons systems. In support of this mission, a temporary radar and electronic warfare installation exists at St. George's Hill, St. Croix to cover operations conducted in the outer ranges, the underwater range, and the inner range. Acquisition of land is a prerequisite to installing new and permanent systems to be located at St. George's Hill, including radar and electronic warfare systems, and an operations center mandated by the increased technical and tactical complexity of systems being exercised on the range.

CURRENT SITUATION: Presently, the Navy is leasing about one acre at St. George's Hill where a temporary radar installation was established in 1966 by AFWTF. The rental has been increasing every year. Permanent construction for an expanded mission cannot be accommodated.

IMPACT IF NOT PROVIDED: Planned expansion of the radar site will be jeopardized. The Navy will be forced to perpetuate a lease of the existing site and consequently pay escalating costs. The ever-present hurricanes of the Caribbean present a continuous threat to the trailer installation at St. George's Hill.

COMMANDER IN CHIEF, PACIFIC FLEET

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDER IN CHIEF, PACIFIC FLEET INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
ADMINSUPPUNIT Bahrain Island	700	Indoor Recreation Facility	$ 2,550	$ 2,550	677
		Subtotal	2,550	2,550	
NAS Cubi Point, RP	770	Bachelor Officer Quarters	5,300	5,300	680
		Subtotal	5,300	5,300	
MOBILECONSTBATT Camp Covington, Guam	331	Bachelor Housing	15,500	15,500	683
		Subtotal	15,500	15,500	
NF Guam	005	Security Improvements	820	820	784
		Subtotal	820	820	
NSD Guam	111	Fleet Support Warehouse Modifications	400	400	784
		Subtotal	400	400	
NS Subic Bay, RP	987	Construction Battalion Camp	1,710	1,710	688
		Subtotal	1,710	1,710	
NSD Subic Bay, RP	398	Data Processing Center Addition	290	290	787
		Subtotal	290	290	
NSRF Subic Bay, RP	895	Abrasive Blast Facility	1,770	1,770	692
		Subtotal	1,770	1,770	
TOTAL - COMMANDER AND CHIEF, PACIFIC FLEET			28,340	28,340	

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
ADMINISTRATIVE SUPPORT UNIT, BAHRAIN ISLAND	COMMANDER IN CHIEF, PACIFIC FLEET	1.24

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	17	143	5	0	0	0	0	0	0	165
b. END FY 19 91	15	89	5	0	0	0	0	0	0	109

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (37)
b. INVENTORY TOTAL AS OF 30 SEP 1985
c. AUTHORIZATION NOT YET IN INVENTORY 3,660
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 2,550
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. GRAND TOTAL 0
6,210

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.43	Indoor Recreation Facility	16,160 SF	2,550	6-85	9-86
	TOTAL		2,550		

9. **Future Projects:**

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. **Mission or Major Functions:** Provide administrative support, port services, and shore facilities to support the Commander, Mid-East Forces, and ships assigned to and transitting the Middle East.

11. **Outstanding pollution and safety deficiencies:** ($000)
a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health (OSH): 0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION ADMINISTRATIVE SUPPORT UNIT, BAHRAIN ISLAND	4. PROJECT TITLE INDOOR RECREATION FACILITY

5. PROGRAM ELEMENT 2 50 96 N	6. CATEGORY CODE 740.43	7. PROJECT NUMBER P-700	8. PROJECT COST ($000) 2,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INDOOR RECREATION FACILITY	SF	16,160	-	1,850
GYMNASIUM.	SF	12,230	105.00	(1,280)
BOWLING ALLEY AND LOUNGE	SF	3,930	145.00	(570)
SUPPORTING FACILITIES.	-	-	-	470
UTILITIES.	LS	-	-	(250)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(140)
DEMOLITION	LS	-	-	(80)
SUBTOTAL	-	-	-	2,320
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,430
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	130
TOTAL REQUEST.	-	-	-	2,560
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,550
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Pre-engineered metal building, concrete foundation and floor, masonry walls, metal roof, fire protection system, air conditioning, utilities; gymnasium, exercise and weight room, laundry, locker rooms, office, storage and issue room, bleachers, four-lane bowling alley; demolition of three buildings.

11. REQUIREMENT: 36,000 SF. ADEQUATE: 9,940 SF. SUBSTANDARD: 10,030 SF.

PROJECT: Constructs an indoor recreation facility including multi-purpose gymnasium, bowling alley, and snack bar.

REQUIREMENT: The primary mission of the Administrative Support Unit (ASU) Bahrain is to support Commander, Middle East Forces (COMIDEASTFOR) ships in the Persian Gulf and Arabian Sea. On forward deployment, ships' personnel have limited opportunities for shore recreation. The high cost of the local economy and the strict local customs and beliefs, severely limit off-base recreational opportunities. Indoor facilities are necessary because of the high temperatures and humidity.

CURRENT SITUATION: ASU Bahrain offers limited recreational opportunities which are small and lacking in diversion. The consolidated club is the primary recreation facility. The ASU offers a theater with 75 seats, frequently filled by station personnel and their dependents even when no ships are in port. An amusement center limited by size and adequacy to serve its function. A pool as a primary outdoor activity and one outdoor playing court, overtaxed during ship calls.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
ADMINISTRATIVE SUPPORT UNIT, BAHRAIN ISLAND

4. PROJECT TITLE
INDOOR RECREATION FACILITY

5. PROJECT NUMBER
P-700

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Limited outdoor and indoor recreation and physical fitness facilities will continue to be overtaxed.

ADDITIONAL: The climate in this area necessitates use of indoor facilities during peak seasonal periods. These are not available.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................
(b) Percent Complete as of January 1986........... 6-85
(c) Percent Complete as of October 1986........... 50
(d) Date Design Complete........................... 100
9-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e):
(a) Production of Plans and Specifications........($000)
(b) All Other Design Costs........................(155)
(c) Total...(125)
(d) Contract...................................... 280
(e) In-house......................................(0)
(280)

(4) Construction start........................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, CUBI POINT, REPUBLIC OF THE PHILIPPINES	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 0.88

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	251	2228	85	3	33	0	402	1348	0	4350
b. END FY 19 91	254	2355	75	7	17	0	402	1348	0	4458

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0-Foreign Country)
b. INVENTORY TOTAL AS OF 30 SEP 1985	66,880
c. AUTHORIZATION NOT YET IN INVENTORY	38,810
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	540
f. PLANNED IN NEXT THREE PROGRAM YEARS	28,480
g. REMAINING DEFICIENCY	106,960
h. GRAND TOTAL	246,970

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
724.11	Bachelor Officer Quarters	89,020 SF	5,300	9-83	6-86
	TOTAL		5,300		

9. Future Projects:

	a. Included in following program (FY 88):		
730.10	Fire Station	2,630 SF	540
			540
	b. Major planned next three years:		
141.42	ASW Operations Center	LS	3,690
211.08	Aircraft Maintenance Fac	79,440 SF	5,080
721.11	Bachelor Enlisted Quarters	161,570 SF	13,860
740.88	Educational Services Off	33,130 SF	4,040

10. Mission or Major Functions: Maintain and operate facilities and provide services and materials to support operations of aviation activities and units of the operating forces of the Navy.

Fleet Composite Squadron	ASW Patrol Squadron
Fleet Logistics Support Squadron	

11. Outstanding pollution and safety deficiencies:

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, CUBI POINT, REPUBLIC OF THE PHILIPPINES	4. PROJECT TITLE BACHELOR OFFICER QUARTERS

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 724.11	7. PROJECT NUMBER P-770	8. PROJECT COST ($000) 5,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS.				
BUILDING	SF	89,020	-	4,610
BUILT-IN EQUIPMENT	SF	89,020	49.00	(4,400)
SUPPORTING FACILITIES.	LS	-	-	(210)
UTILITIES.	-	-	-	270
PAVING & SITE IMPR, DEMOLITION & RELOCATION	LS	-	-	(110)
SUBTOTAL	LS	-	-	(160)
CONTINGENCY (5%)	-	-	-	4,880
TOTAL CONTRACT COST.	-	-	-	240
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	5,120
TOTAL REQUEST.	-	-	-	280
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	-	5,300
		-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Five-story reinforced concrete frame building, concrete foundation and floors, masonry walls, pre-formed metal roof, elevators, fire protection system, air conditioning, utilities; suites for junior officers have a combination living-bedroom, bathroom, and a pullman type kitchen; suites for senior officers have a living room, bedroom, bathroom, and kitchen; lounges, laundry, storage, vending, mechanical equipment; demolition and relocation of one building.

Grade Mix: 170 W1-03-above. Total: 170.

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11. REQUIREMENT: 379 PN. ADEQUATE: 209 PN. SUBSTANDARD: 167 PN.

PROJECT: Provides adequate billeting for 170 officer personnel.

REQUIREMENT: Adequate housing for 379 officer personnel either assigned duty at the base or are rotational and transient officers assigned to fleet air squadrons undergoing flight proficiency training.

CURRENT SITUATION: Existing berthing capacity of 209 spaces, including 167 substandard spaces requiring modernizatión, is insufficient, resulting in overcrowding. A new construction deficiency of 170 adequate billeting spaces exists. This project will satisfy the total deficit. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED: Overcrowding of present facilities will continue to the detriment of training, morale and career retention efforts.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, CUBI POINT, REPUBLIC OF THE PHILIPPINES		
4. PROJECT TITLE BACHELOR OFFICER QUARTERS		5. PROJECT NUMBER P-770

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started..............................9-83
(b) Percent Complete as of January 1986............60
(c) Percent Complete as of October 1986............100
(d) Date Design Complete..............................6-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(150)
(b) All Other Design Costs..........................(120)
(c) Total.. 270
(d) Contract..(245)
(e) In-house..(25)

(4) Construction start.......................... 2-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
MOBILE CONSTRUCTION BATTALION,
CAMP COVINGTON, GUAM

4. COMMAND
COMMANDER IN CHIEF,
PACIFIC FLEET

5. AREA CONSTR. COST INDEX
1.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	2	16	149	0	0	0	20	474	0	661
b. END FY 19 91	2	12	149	0	0	0	20	474	0	657

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NS
b. INVENTORY TOTAL AS OF 30 SEP 1985	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	15,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	15,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	Bachelor Housing	98,710 SF	15,500	5-85	9-86
	TOTAL		15,500		

9. Future Projects:
a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provision of military forces for construction and major maintenance and repair of facilities in the Marianas area and the central Pacific.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MOBILE CONSTRUCTION BATTALION, CAMP COVINGTON, GUAM	4. PROJECT TITLE BACHELOR HOUSING

5. PROGRAM ELEMENT 7 28 96 N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-331	8. PROJECT COST ($000) 15,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR HOUSING	SF	98,710	-	11,780
BACHELOR ENLISTED QUARTERS	SF	84,360	115.00	(9,700)
BACHELOR OFFICER QUARTERS.	SF	11,950	146.00	(1,750)
MECHANICAL BUILDING.	SF	2,400	135.00	(330)
SUPPORTING FACILITIES.	-	-	-	2,490
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,350)
UTILITIES.	LS	-	-	(400)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(540)
DEMOLITION	LS	-	-	(200)
SUBTOTAL	-	-	-	14,270
CONTINGENCY (5%)	-	-	-	710
TOTAL CONTRACT COST.	-	-	-	14,980
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	820
TOTAL REQUEST.	-	-	-	15,800
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	15,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four three-story and one two-story reinforced concrete and masonry buildings, pile foundations, concrete floors, built-up roofing on concrete decking, fire protection system, air conditoning, utilities; 111 two-bedroom modules with private bathrooms; suites for junior officers have a combination living-bedroom, bathroom, and a pullman type kitchen; suites for senior officers have a living room, bedroom, bathroom, and kitchen; laundry, vending, storage, lounges; mechanical equipment building; demolition of 13 buildings.

Grade mix: 176 E1-E4, 96 E5-E6, 19 E7-E9. Total: 291.
6 W1-02, 14 03-above. Total: 20.

11. REQUIREMENT: BEQ: 475 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN.
BOQ: 20 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate housing for 20 officer personnel and billeting for 291 enlisted personnel at the Seabee camp.

REQUIREMENT: Adequate housing for 20 officers and 475 enlisted personnel. These rotational Seabee personnel are assigned to the Pacific Fleet's Naval Construction Battalion at Camp Covington. Officer and enlisted housing is required at this remote location to provide unit integrity for operational deployment readiness objectives.

CURRENT SITUATION: Existing berthing is accommodated in deteriorated metal buildings constructed in 1968. Age, minimal maintenance, and the harsh effects of tropical heat and a salt-air environment have deteriorated these structures making them unfit for continued occupancy and beyond economical

(Continued on DD 1391c)

U.S. Government Printing Office: [illegible]

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MOBILE CONSTRUCTION BATTALION, CAMP COVINGTON, GUAM		
4. PROJECT TITLE BACHELOR HOUSING		5. PROJECT NUMBER P-331

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
repair. A new construction deficiency of 20 adequate billeting spaces exists for officers and 475 for enlisted personnel. The construction spaces requested by this project will satisfy the complete officer deficit. The remaining 184 enlisted space deficit will be satisfied by a follow-on project currently proposed for Fiscal Year 1989. All projected space requirements are revalidated annually by a new survey, which updates planning projections.
IMPACT IF NOT PROVIDED: Adequate living quarters for deployed personnel will continue to be unavailable, resulting in degradation of morale, productivity, and career retention efforts in an already arduous environment.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 5-85
(b) Percent Complete as of January 1986.......... 55
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes X No ____
(b) Where Design Was Most Recently Used: Site Adaptation, BEQ NH Guam.

(3) Total cost (c) = (a) + (b) or (d) + (e): (8000)
(a) Production of Plans and Specifications........ (390)
(b) All Other Design Costs.......................... (120)
(c) Total... 510
(d) Contract.. (70)
(e) In-house.. (440)

(4) Construction start........................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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S/N 0102-LF-001-3910

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL FACILITY, GUAM	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	12	96	0	0	0	0	0	0	0	108
b. END FY 19 91	10	93	0	0	0	0	0	0	0	103

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(333)
b. INVENTORY TOTAL AS OF 30 SEP 1985	2,350
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	820
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	570
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	3,740

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	Security Improvements	LS	820	6-85	6-86
	TOTAL		820		

9. Future Projects:

a. Included in following program (FY 88):

219.10	Maintenance Support Shop	3,400 SF	570
			570

b. Major planned next three years: None.

10. Mission or Major Functions: Provide oceanographic observations in selected areas to furnish Navy with information on conditions within the area.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY DEPOT, GUAM	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 1.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	16	54	462	0	0	0	0	0	0	532
b. END FY 19 91	14	49	462	0	0	0	0	0	0	525

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,586)
b. INVENTORY TOTAL AS OF 30 SEP 1985	50,760
c. AUTHORIZATION NOT YET IN INVENTORY	6,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	21,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,500
g. REMAINING DEFICIENCY	4,000
h. GRAND TOTAL	84,510

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.20	Fleet Support Warehouse Mods	LS	400	2-85	6-86
	TOTAL		400		

9. Future Projects:

a. Included in following program (FY 88):

156.10	Waterfront Transit Shed	51,000 SF	5,900
411.10	Oil Spill Prevention	LS	7,800
441.13	Supply Maintenance Facility	LS	7,600
			21,300

b. Major planned next three years:

610.10	Fire Protection System	LS	300
872.10	Fuel Farm Fencing	LS	1,200

10. Mission or Major Functions: Procure, receive, store, issue, control and account for materials, supplies, and fuel for fleet units and shore activities in Guam.

Ship Repair Facility
Public Works Center
Small commands and visiting ships
Anderson Air Force Base (limited support)
Naval Station
Naval Hospital
Naval Magazine
Communications Station

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	4,675
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, SUBIC BAY, REPUBLIC OF THE PHILIPPINES	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 0.88

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	277	2102	12910	0	0	0	55	940	0	16284
b. END FY 19 91	265	2150	12902	0	0	0	55	940	0	16312

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0) (Foreign Country)
b. INVENTORY TOTAL AS OF 30 SEP 1985	47,480
c. AUTHORIZATION NOT YET IN INVENTORY	14,520
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,710
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	62,000
g. REMAINING DEFICIENCY	30,000
h. GRAND TOTAL	155,710

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	Construction Battalion Camp	LS	1,710	9-85	8-86
	TOTAL		1,710		

9. **Future Projects:**

a. Included in following program (FY 88): None.

b. Major planned next three years:

143.46	Marine Barracks Building	14,710 SF	1,500
721.13	Bachelor Enlisted Quarters	256 PN	8,000
724.11	BOQ Addn & Modn	103 PN	5,000
740.43	Gymnasium	10,320 SF	1,400
813.20	Wharf Utilities	LS	5,000

10. **Mission or Major Functions:** Provides logistic support to naval activities in the Subic Bay Complex, including recreational and morale, bachelor housing, port services, Navy Exchange, and similar functions.

Ship Repair Facility	Naval Air Station
Naval Supply Depot	Naval Hospital
Navy Public Work Center	Visiting ships
Naval Magazine	Marine Amphibious Units

11. **Outstanding pollution and safety deficiencies:** ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, SUBIC BAY, REPUBLIC OF THE PHILIPPINES		4. PROJECT TITLE CONSTRUCTION BATTALION CAMP	
5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-987	8. PROJECT COST ($000) 1,710

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSTRUCTION BATTALION CAMP.	LS	-	-	820
BUILDINGS.	SF	22,000	28.00	(620)
MATERIAL LAY-OUT YARD.	SY	4,500	18.00	(80)
EQUIPMENT YARD	LS	-	-	(120)
SUPPORTING FACILITIES.	-	-	-	750
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(450)
UTILITIES.	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT, FENCING . . .	LS	-	-	(170)
SUBTOTAL	-	-	-	1,570
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,650
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	90
TOTAL REQUEST.	-	-	-	1,740
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,710
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three pre-engineered steel frame buildings, concrete foundations and floors on engineered fill and vertical sand columns, masonry walls, metal roofs, fire protection systems, air conditioning and mechanical ventilation, utilities; material lay-out area, paved equipment yard.

11. REQUIREMENT: 31,800 SF. ADEQUATE: 9,800 SF. SUBSTANDARD: 23,320 SF.

PROJECT: Provides a battalion operations center, operational facilities, and a Construction Battalion Maintenance Unit (CBMU) facility.

REQUIREMENT: Adequate shops, operational storage, and administrative space from which Seabee units will conduct construction operations. Subic Bay will be the headquarters for a Seabee Battalion for the foreseeable future. The projected base loading is 200 to 300 battalion personnel, 50 to 60 CBMU personnel, and 100 pieces of battalion and 40 pieces of CBMU civil engineering support equipment.

CURRENT SITUATION: Seabee facilities at both this station and NAS Cubi Point are located in areas designated for other future development. Relocation of Camp Jeffries and Naval Construction Forces facilities is mandatory if operations are to continue. No existing facilities are available to support such a relocation.

IMPACT IF NOT PROVIDED: Facilities will not be available to support Seabee units in Subic Bay, resulting in degraded mission capability.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, SUBIC BAY, REPUBLIC OF THE PHILIPPINES		
4. PROJECT TITLE CONSTRUCTION BATTALION CAMP		5. PROJECT NUMBER P-987

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 9-85
(b) Percent Complete as of January 1986............ 40
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete.......................... 8-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(75)
(b) All Other Design Costs..........................(95)
(c) Total.. 170
(d) Contract.......................................(155)
(e) In-house.......................................(15)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY DEPOT, SUBIC BAY, REPUBLIC OF THE PHILIPPINES	4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET	5. AREA CONSTR. COST INDEX 0.88

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	25	116	40	0	0	0	0	0	0	181
b. END FY 19 91	22	116	40	0	0	0	0	0	0	178

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0)(Foreign Country)
b. INVENTORY TOTAL AS OF 30 SEP 1985 460
c. AUTHORIZATION NOT YET IN INVENTORY 40,990
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 290
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 37,000
g. REMAINING DEFICIENCY 72,000
h. GRAND TOTAL 150,740

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.20	Data Processing Center Addn	LS	290	5-85	6-86
	TOTAL		290		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

411.50	Jet Engine Fuel Storage	160,000 BL	7,000
431.10	Cold Storage Warehouse	60,000 SF	11,000
441.10	General Warehouse	122,600 SF	13,000
441.30	Haz & Flammable Storage	96,300 SF	5,500
843.20	Fire Protection Pump Station	LS	500

10. Mission or Major Functions: Provide general supply functions for naval activities in the Philippines, and logistic support for fleet units operating in the Western Pacific. Supply includes fuel, cold storage, equipment, and spare parts.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health (OSH): 8,300

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SHIP REPAIR FACILITY, SUBIC BAY, REPUBLIC OF THE PHILIPPINES	COMMANDER IN CHIEF, PACIFIC IN FLEET	0.88

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	27	118	4490	0	0	0	0	0	0	4635
b. END FY 19 91	29	115	4490	0	0	0	0	0	0	4634

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0-Foreign Country)
b. INVENTORY TOTAL AS OF 30 SEP 1985 29,670
c. AUTHORIZATION NOT YET IN INVENTORY 13,980
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 1,770
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 31,200
g. REMAINING DEFICIENCY 66,000
h. GRAND TOTAL 142,620

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.59	Abrasive Blast Facility	6,000 SF	1,770	5-85	1-86
	TOTAL		1,770		

9. **Future Projects:**

a. Included in following program (FY 88): None.

b. Major planned next three years:

152.50	Repair Wharf	LS	12,000
213.42	Shipfitting Shop	61,200 SF	7,900
213.52	Engine Shop	39,760 SF	1,900
813.20	Wharf Elect Power	LS	7,800
831.15	Industrial Waste Treat Fac	LS	1,600

10. **Mission or Major Functions:** Provide drydocking, overhaul, repair, alteration, conversion, and other logistics support to naval ships and service craft; perform voyage and emergency repairs to ships as required.

11. **Outstanding pollution and safety deficiencies:** ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SHIP REPAIR FACILITY, SUBIC BAY, REPUBLIC OF THE PHILIPPINES	4. PROJECT TITLE ABRASIVE BLAST FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 49 96 N	213.59	P-895	1,770

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ABRASIVE BLAST FACILITY.	SF	6,000	-	1,100
BUILDING	SF	6,000	85.00	(510)
BUILT-IN EQUIPMENT	LS	-	-	(590)
SUPPORTING FACILITIES.	-	-	-	530
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(340)
UTILITIES.	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(80)
SUBTOTAL	-	-	-	1,630
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,710
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	90
TOTAL REQUEST.	-	-	-	1,800
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,770
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, metal siding and roof, bridge crane, dolly track, exhaust ventilation and dust collection system, compressed breathing air system, fire protection system, utilities.

11. REQUIREMENT: 9,800 SF. ADEQUATE: 3,800 SF. SUBSTANDARD: 7,520 SF.

PROJECT: Constructs a sandblasting and painting facility.

REQUIREMENT: Adequate facility for sandblasting and spray painting steel boat hulls, machinery parts, and other miscellaneous steel structures to protect shop personnel from exposure to high concentrations of hazardous silica dust and vapors in compliance with OSH regulations.

CURRENT SITUATION: Sandblasting and painting operations are accomplished outdoors, generating silica dust and vapors hazardous to the workmen's health. These operations have caused work stoppage within the immediate vicinity, affecting completien dates. Abrasive dust in contact with precision machinery parts accelerates wear, increasing maintenance and repair costs.

IMPACT IF NOT PROVIDED: Sandblasting and painting operations will continue to be accomplished in outdoor areas, exposing shop personnel to harmful effects of silica dust and vapors in violation of OSH regulations.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SHIP REPAIR FACILITY, SUBIC BAY, REPUBLIC OF THE PHILIPPINES		
4. PROJECT TITLE ABRASIVE BLAST FACILITY		5. PROJECT NUMBER P-895

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 5-85
(b) Percent Complete as of January 1986........... 100
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.............................. 1-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(5)
(b) All Other Design Costs..........................(105)
(c) Total.. 110
(d) Contract...(100)
(e) In-house...(10)

(4) Construction start.......................... 8-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

NAVAL FORCES EUROPE

FY 1987 MILITARY CONSTRUCTION PROGRAM
COMMANDER IN CHIEF, U.S. NAVAL FORCES EUROPE INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NAVACTS London, UK	213	Consolidated Personnel Support Facilities	$ 1,180	$ 1,180	696
		Subtotal	1,180	1,180	
NSA Naples, IT	112	Air Cargo Terminal	5,500	5,500	699
	126	Command Control Communications and Intelligence Complex (Phase I)	18,000	18,000	702
	103	Submarine Mooring Facility	1,570	1,570	705
		Subtotal	25,070	25,070	
NS Rota, SP	527	Pol Pipeline Improvements	4,600	4,600	709
		Subtotal	4,600	4,600	
NAS Sigonella, IT	733	Chapel Facilities	1,370	1,370	712
		Subtotal	1,370	1,370	
Classified Location	421	Magazines	15,700	15,700	714
		Subtotal	15,700	15,700	
TOTAL - COMMANDER IN CHIEF, U.S. NAVAL FORCES EUROPE			47,920	47,920	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL ACTIVITIES, LONDON, UNITED KINGDOM	4. COMMAND COMMANDER IN CHIEF, NAVAL FORCES EUROPE	5. AREA CONSTR. COST INDEX 1.01

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	14	43	8	0	0	0	286	822	471	1644
b. END FY 19 91	14	43	8	0	0	0	286	822	471.	1644

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(88)
b. INVENTORY TOTAL AS OF 30 SEP 1985	1,350
c. AUTHORIZATION NOT YET IN INVENTORY	10,260
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,180
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,760
f. PLANNED IN NEXT THREE PROGRAM YEARS	37,260
g. REMAINING DEFICIENCY	8,100
h. GRAND TOTAL	61,910

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.74	Consolidated Pers Supp Facs	10,780 SF	1,180	9-85	10-86
	TOTAL		1,180		

9. Future Projects:

a. Included in following program (FY 88):

214.20	Auto Vehicle Maint Shop	LS	470
740.43	Physical Fitness Center	25,800 SF	3,290
			3,760

b. Major planned next three years:

510.12	Fleet Hospital Supp Fac	LS	6,850
610.10	Survivability Improvements	LS	5,000
721.11	Bachelor Enlisted Quarters	LS	10,000

10. Mission or Major Functions: Navy's primary activity providing logistic and administrative support to the Commander in Chief, US Naval Forces, Europe/US Commander Eastern Atlantic/US Naval Activities and units in the United Kingdom, including other areas of Northwestern Europe. Those functions also extended to other US Agencies and/or other US Naval matters as assigned.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL ACTIVITIES, LONDON, UNITED KINGDOM	4. PROJECT TITLE CONSOLIDATED PERSONNEL SUPPORT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 50 96 N	740.74	P-213	1,180

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSOLIDATED PERSONNEL SUPPORT FACILITIES. .	SF	10,780	82.00	880
SUPPORTING FACILITIES.	-	-	-	170
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(120)
SUBTOTAL	-	-	-	1,050
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,100
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	60
TOTAL REQUEST.	- -	-	-	1,160
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,180
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete foundation and floor, fibre-cement sheet roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 10,780 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a new consolidated personnel support facility.

REQUIREMENT: A combined child care and family services facility placed in the suburbs of London, located at the personnel support site on the property of the Royal Air Force (RAF) Base in West Ruislip, UK. Approximately 1,100 military and 500 civil service members, with 2,300 dependents, are assigned in the greater London area. RAF West Ruislip is the sole site provided by the UK Ministry of Defense, managed by Commander of US Naval Activities, UK (COMNAVACTSUK), to sustain Navy military personnel and their dependents. Some others supported are Marine Corps, US Army, US Air Force, US Embassy, DODDs and DOD personnel, including all their dependents. At RAF West Ruislip, COMNAVACTSUK furnishes housing, morale, welfare, recreational and other support facilities to our military personnel that may not otherwise be available in overseas communities. The child care function will provide care for approximately 97 children. The family services function will provide Navy families information, assistance on community services, and counseling on financial or consumer affairs.

CURRENT SITUATION: Recent surveys indicated 70% of the London Navy population is centered around the West Ruislip area. Therefore, West Ruislip has been planned as the center for personnel support facilities.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL ACTIVITIES, LONDON, UNITED KINGDOM		
4. PROJECT TITLE CONSOLIDATED PERSONNEL SUPPORT FACILITIES		5. PROJECT NUMBER P-213

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

There are currently no child care facilities in the greater London area to provide day care for pre-school age children in situations where the mother is employed, or at times when the family is temporarily unable to oversee and care for the child without expensive nanny services being used. Other situations exist where individual families must rely upon the older dependents of their friends for babysitting services. Often, this requires advance planning and long travel distances for the babysitter. The family services program is not being implemented because there are no facilities to support the program.

IMPACT IF NOT PROVIDED: Personnel assigned to duty in London, living in local economy, have no suitable, affordable means of child care services. Without a family services facility, the goal to enhance and enrich the lives of service families will not be realised. Families seeking assistance will be forced to visit many different agencies in widely scattered locations to obtain a limited scope of services instead of a central location as proposed by this project.

ADDITIONAL: Prefinancing under NATO procedures is not planned for this project as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started........................... 9-85
- (b) Percent Complete as of January 1986........... 50
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete........................... 10-86

(2) Basis:
- (a) Standard or Definitive Design: Yes___ No X
- (b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........(15)
- (b) All Other Design Costs..........................(5)
- (c) Total...20
- (d) Contract...(15)
- (e) In-house..(5)

(4) Construction start............................ 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPORT ACTIVITY, NAPLES, ITALY	4. COMMAND COMMANDER IN CHIEF, NAVAL FORCES EUROPE	5. AREA CONSTR. COST INDEX 1.10

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	624	3043	531	0	0	0	9	5	0	4212
b. END FY 19 91	624	3043	531	0	0	0	9	8	0	4215

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (173)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	10,970
c. AUTHORIZATION NOT YET IN INVENTORY	13,060
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	25,070
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	64,550
f. PLANNED IN NEXT THREE PROGRAM YEARS	113,260
g. REMAINING DEFICIENCY	8,000
h. GRAND TOTAL	234,910

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141.12	Air Cargo Terminal	39,780 SF	5,500	5-85	8-86
143.65	Cmd Con Comm & Intel Complex	LS	18,000	6-85	1-87
151.20	Submarine Mooring Facility	LS	1,570	6-84	8-86
	TOTAL		25,070		

9. Future Projects:

a. Included in following program (FY 88):

141.25	Fire Station	LS	500
143.65	Cmd Con Comm & Intel Complex	304,500 SF	51,400
431.10	Cold Storage Warehouse	LS	2,050
610.10	Administrative Building	48,250 SF	6,300
721.11	Bachelor Enlisted Quarters	128 PN	4,300
			64,550

10. Mission or Major Functions: Furnish communications, command and control, logistics and administrative support to the US Sixth Fleet operating throughout the Mediterranean. Support US personnel assigned to the Allied Forces Southern Europe (AFSOUTH) staff in Naples and to the Sixth Fleet flagship in Gaeta. Operate major shore facilities (leased) at Agnano and on military compounds at Capodichino airfield and the deep-water port of Naples.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL SUPPORT ACTIVITY,
NAPLES, ITALY

4. PROJECT TITLE
AIR CARGO TERMINAL

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 141.12	7. PROJECT NUMBER P-112	8. PROJECT COST ($000) 5,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIR CARGO TERMINAL				
TERMINAL BUILDING.	SF	39,780	-	4,050
AIRCRAFT PARKING APRONS & TAXIWAY THROATS.	SF	39,780	61.00	(2,410)
BUILT-IN EQUIPMENT	SY	32,110	42.00	(1,360)
SUPPORTING FACILITIES.	LS	-	-	(280)
UTILITIES.	-	-	-	1,010
PAVING AND SITE IMPROVEMENT.	LS	-	-	(320)
SUBTOTAL	LS	-	-	(690)
CONTINGENCY (5%)	-	-	-	5,060
TOTAL CONTRACT COST.	-	-	-	250
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	5,310
TOTAL REQUEST.	-	-	-	290
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	5,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	-	5,500
		-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One steel frame building, masonry walls, concrete floor and foundation, built-up roof, fire protection system, utilities; aircraft parking apron with tie-downs, storm drainage system, grounding system; taxiway throats.

11. REQUIREMENT: 39,780 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs air cargo terminal, aircraft parking apron, and supporting facilities on the US Naval cantonment of the Capodichino Airport in Naples.

REQUIREMENT: Adequate facility to eliminate space deficiencies, provide close support to supply department warehouse operations, improve working conditions, and eliminate personnel and aircraft safety hazards. Naples is a logistics and command and control center for Naval operating forces in the Mediterranean. MAC airlift and Navy intra-theatre logistics aircraft operate on a daily basis through the Capodichino Airport. Sixth Fleet ships, anti-submarine patrol squadrons, fleet logistics squadrons, and shore bases such as communications, command and control, personnel support and headquarters installations are supported with materiel and personnel replacements. Capodichino also acts as an emergency divert airfield in support of Sixth Fleet aircraft as well as transient Marine, Air Force, and Army aircraft.

CURRENT SITUATION: The US has base rights to occupy designated areas of Capodichino under a bilateral agreement with Italy. Naples is a receiving point for Sixth Fleet cargo, both surface and air with regular scheduled MAC channels and Navy intra-theatre air cargo operations being conducted

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPORT ACTIVITY, NAPLES, ITALY		
4. PROJECT TITLE AIR CARGO TERMINAL		5. PROJECT NUMBER P-112

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
through Capodichino. Today, an average of nine aircraft, peaking at fifteen, per day handle 13,000 tons of cargo, mail, and passengers through the airport facilities. This steady workload will not change substantially in the future. Air cargo facilities are located in two buildings providing only 44% of the covered space requirements. Consequently, valuable cargo must be stored in the open, subjected to inclement weather. Separate and undersized buildings prevent the installation of mechanized equipment to sort and distribute cargo. In the interim, air cargo processing will be performed in temporary facilities. The aircraft ground support equipment is stored in a deteriorated metal building previously used for aircraft maintenance. Aircraft parking facilities in support of the traffic volumes originating from the above requirements consist of no apron spaces on the western side of the airfield adjacent to the proposed terminal; and, on the eastern side of the airfield, an irregularly-shaped apron constructed in increments, beginning in the mid-1940's, with three different types of materials, concrete, asphalt, and marsden steel matting. The marsden matting is deteriorated, inadequate, unsafe, and extremely slippery when wet. Hazardous taxiway conditions require aircraft to be towed on all occasions and tire assemblies are often damaged by broken planks or sharp edges. A high risk exists for engine foreign object damage from loose base material and metal clips or fragments.

IMPACT IF NOT PROVIDED: Reduced responsiveness to fleet units deployed in the Mediterranean. Air cargo operations restricted by inefficient separated facilities, inadequate space, and continued safety hazards affecting personnel and aircraft operations. Continued unsafe aircraft taxiing and parking conditions, potential for foreign objects to damage aircraft engines, excessive tire assembly wear, and reduced utilization of apron caused by the impossiblity of parking aircraft with high wheel loadings.

ADDITIONAL: Prefinancing under NATO procedures is not planned for this project as facilities are primarily for logistics support which is a national responsibility under NATO criteria.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 5-85
(b) Percent Complete as of January 1986........... 35
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 8-86

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPORT ACTIVITY, NAPLES, ITALY		
4. PROJECT TITLE AIR CARGO TERMINAL		5. PROJECT NUMBER P-112

12. SUPPLEMENTAL DATA: (Continued)

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(215)
(b) All Other Design Costs..............................(200)
(c) Total... 415
(d) Contract..(360)
(e) In-house..(55)

(4) Construction start............................ 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPORT ACTIVITY, NAPLES, ITALY	4. PROJECT TITLE COMMAND CONTROL COMMUNICATIONS AND INTELLIGENCE COMPLEX (PHASE I)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2 47 96 N	143.65	P-126	18,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMAND CONTROL COMM & INTELLIGENCE COMPLEX.	LS	-	-	16,510
BASE DEVELOPMENT	LS	-	-	(16,510)
SUBTOTAL	-	-	-	16,510
CONTINGENCY (5%)	-	-	-	820
TOTAL CONTRACT COST.	-	-	-	17,330
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	960
TOTAL REQUEST.	-	-	-	18,290
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	18,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
			-	

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Phase I: Base development including roads, utilities and site improvement; follow-on phases include multi-story steel and reinforced concrete frame and masonry buildings, pile and concrete foundations and floors, built-up roofs, hardening for explosives and terrorist protection, secure loading dock cranes and hoists, computer flooring, shielding, elevators, fire protection system, air conditioning, utilities; standby electric power generation; satellite antennas; radio and micro-wave towers; Marine barracks; storage and shop facilities; security fencing.

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11. REQUIREMENT: As Required.

PROJECT: Provides a secure Command Control Communications and Intelligence (C^3I) Complex on a site north of Naples made available to the United States by the Government of Italy (GOI). Project is programmed in two phases. This program, Phase I, provides the base development including utilities, roads, and site improvement. A follow-on project in the FY 1988 program will construct a multi-story, hardened C^3I center, operations staff facility and guard house in a secured compound. A Marine alert force and berthing facility, electronics maintenance and storage facility, administrative facility, and gate houses are included.

REQUIREMENT: Adequate and secure facilities for personnel and equipment to provide a national C^3I complex in support of deployed US Navy air, surface, and submarine units operating in the Mediterranean. The strategic

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPORT ACTIVITY, NAPLES, ITALY		
4. PROJECT TITLE COMMAND CONTROL COMMUNICATIONS AND INTELLIGENCE COMPLEX		5. PROJECT NUMBER P-126

11. REQUIREMENT: (Continued)

value of Italy to implementation of Navy and US policy sustains the fact that Naples is the best location for the operational support now provided. The Naples location of the NATO Allied Forces Southern Europe (AFSOUTH) Headquarters (Bagnoli), alongside the National US Naval Support Activity (Agnano), increases the efficiency of the Navy's C^3I facilities essential to theater-wide Fleet operations. Additionally, Navy provides personnel support for the large US contingent assigned to the AFSOUTH staff. The Naples harbor and extennive metropolitan industrial and commercial complex provide strategically essential services to the US Sixth Fleet, and the Navy's facilities in Naples fulfill a vital role in administering these capabilities to ensure Fleet readiness.

CURRENT SITUATION: The Navy's shore complex consists of limited, military-owned facilities at Capodichino Airport, supplemented by facilities leased in the private sector which make up the majority of the complex. Communications headquarters and operations facilities are colocated with the AFSOUTH Command. The Navy proposes to solve problems of crowding, separate locations, seismic action, and escalating lease costs, and thereby meet its long term commitments in Naples, by constructing replacement facilities on a new site. Capodichino assets to be retained. The Italian Ministry of Defense (MOD Italy) confirmed on 5 August 1985 that a new 254-acre site north of Naples will be purchased by the Italians for use by the US. The Naples Navy shore complex suffers mission degradation from a host of serious facilities deficiencies and dramatically escalating facility lease costs. The usefulness of these facilities has seriously eroded in recent years and the age and condition of the leased facilities plus their inherent inefficiency, are an unsatisfactory situation. Real estate market pressures are causing the lease values to escalate dramatically. There has been a level of seismic activity which has become serious. Interim facilities actions are in progress to reduce damage and risk from the localized seismic activity. However, an extensive technical study of the Navy's facilities located in the seismic zone recommends relocation as the only feasible long-term solution. Currently situated in a densely developed crater, surrounded on all sides by high ground, with heavy traffic and narrow streets restricting mobility, the Navy's complex is difficult to secure against terrorism. Problems with these facilities are an impediment to readiness for contingencies and in countering terrorist threats in this overseas environment.

IMPACT IF NOT PROVIDED: Continued fragmented functions of C^3I operations. Diminished support to US Navy Sixth Fleet units deployed in the Mediterranean. Increasing costs for leases at eleven sites in a dense metropolitan area, where the opportunity for improved functional organization and enhanced facility management is non-existent. The

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPORT ACTIVITY, NAPLES, ITALY		
4. PROJECT TITLE COMMAND CONTROL COMMUNICATIONS AND INTELLIGENCE COMPLEX		5. PROJECT NUMBER P-126

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
compounds (Agnano and Bagnoli) have severe security and encroachment problems associated with urban growth, terrain and restricted street access. The seismic activity affecting these locations is making the leased facilities susceptible to catastrophic structural failure, thus exposing personnel and dependents to potential danger and consequently endangering continuity of military readiness.
ADDITIONAL: Prefinancing under NATO procedures is not planned for this project, as it not within an established NATO infrastructure category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 6-85
(b) Percent Complete as of January 1986............ 35
(c) Percent Complete as of October 1986............ 100
(d) Date Design Complete.............................. 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(3,795)
(b) All Other Design Costs...............................(2,740)
(c) Total..6,535
(d) Contract..(6,325)
(e) In-house...(210)

(4) Construction start.............................. 6-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: To be identified on Phase II submission.

1. COMPONENT NAVY	FY 19 81 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SUPPORT ACTIVITY, NAPLES, ITALY	4. PROJECT TITLE SUBMARINE MOORING FACILITY

5. PROGRAM ELEMENT 2 47 96 N	6. CATEGORY CODE 151 20	7. PROJECT NUMBER P-103	8. PROJECT COST ($000) 1,570

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SUBMARINE MOORING FACILITY	LS	-	-	1,460
PLATFORMS.	LS	-	-	(1,240)
BUILT-IN EQUIPMENT	LS	-	-	(20)
FENDER SYSTEM.	LS	-	-	(160)
UTILITIES.	LS	-	-	(40)
SUBTOTAL	-	-	-	1,460
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,610
TOTAL REQUEST (ROUNDED).	-	-	-	1,570
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two reinforced concrete platforms, two jib cranes, deep draft fender system, bollards, brow, cable trough, lighting, catwalk, utilities.

11. REQUIREMENT: As Required.

PROJECT: Constructs mooring facilities for US Navy submarines in the Port of Naples.

REQUIREMENT: Adequate mooring facilities to berth Sixth Fleet transient subsurface and surface ships deployed in the Mediterranean. The Port of Naples is one of three mooring facilities in the Mediterranean open to attack submarines (SSN) which can provide shore power from mobile utilities support equipment (MUSE) units; and one of the only two ports which can accept submarines outfitted with special sonar equipment. The Port of Naples has been made available to the US Navy by the Italian authorities, along a centuries-old masonry pier, Molo San Vincenzo, on the southwestern end of the Port. The pier, provided with extremely limited infrastructure, performs mere breakwater and mooring functions and is jointly utilized by the Italian Navy, the US Navy, and the Naples Port Authority. A barge and trailer mounted MUSE unit has been installed at the berthing site for cold-iron requirements.

CURRENT SITUATION: Naples, La Spezia, and La Maddalena are three Mediterranean ports open to US Navy submarines (SSN), deployed in this area, that can provide shore power from MUSE units to permit reactor

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPORT ACTIVITY, NAPLES, ITALY		
4. PROJECT TITLE SUBMARINE MOORING FACILITY		5. PROJECT NUMBER P-103

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
shutdown and ship's crew liberty. Naples and La Maddalena are two ports authorized to handle certain sonar equipment. The configuration of the pier, with shallow waters along its wharves, precludes close-up mooring of deep-draft vessels like SSN's which require a minimum water depth of 35 feet. Submarines are brought no closer than 70 feet to the wharf line and suspended to a non-rigid mooring utilizing the ship's own anchor and a 300-foot long line tied to the nearest buoy. A pontoon serves as a causeway between the SSN and the pier. Brows are used to permit pedestrian traffic from the SSN to the pier. Under adverse atmospheric conditions, the non-rigid mooring buoy, line and pontoon array is inefficient against heaving and does not protect the moored vessel or the pier structure from the pounding action of the pontoon. Shore power cables have been repeatedly damaged by the pontoon heaving. On several occasions the pontoon has broken free, severing the cables, and creating a navigational hazard to commercial traffic in the harbor and to the SSN itself. Also the 300-foot long mooring line to the buoy may conceivably be parted by heavy harbor traffic, thus freeing the SSN and creating a definite grounding or collision. In addition, fastening and retrieval of the line from the buoy require assistance of a small boat whose utilization is impleded even by moderate seas, delaying a mooring or, more seriously, underway operations.

IMPACT IF NOT PROVIDED: Continued unsafe mooring conditions, high-risk damage to submarine hulls and sonar equipment and to harbor structures. Underway delays and safety hazards to personnel.

ADDITIONAL: Prefinancing under NATO procedures is not planned for this project, as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

- a. Estimated design data:
  - (1) Status:
    - (a) Date Design Started.............................. 6-84
    - (b) Percent Complete as of January 1986............ 35
    - (c) Percent Complete as of October 1986........... 100
    - (d) Date Design Complete............................ 8-86
  - (2) Basis:
    - (a) Standard or Definitive Design: Yes___ No X
    - (b) Where Design Was Most Recently Used: ______

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPORT ACTIVITY, NAPLES, ITALY		
4. PROJECT TITLE SUBMARINE MOORING FACILITY		5. PROJECT NUMBER P-103

12. SUPPLEMENTAL DATA: (Continued)

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications........	(40)
(b)	All Other Design Costs........................	(60)
(c)	Total...	100
(d)	Contract......................................	(85)
(e)	In-house......................................	(15)

(4) Construction start........................ 2-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, ROTA, SPAIN	4. COMMAND COMMANDER IN CHIEF, NAVAL FORCES EUROPE	5. AREA CONSTR. COST INDEX 0.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	317	2556	254	2	9	0	128	773	0	4039
b. END FY 19 91	317	2556	254	2	9	0	128	773	0	4039

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(6,778)
b. INVENTORY TOTAL AS OF 30 SEP 1985	135,700
c. AUTHORIZATION NOT YET IN INVENTORY	32,320
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,580
f. PLANNED IN NEXT THREE PROGRAM YEARS	69,940
g. REMAINING DEFICIENCY	3,350
h. GRAND TOTAL	248,490

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
125.10	POL Pipeline Improvements	LS	4,600	9-85	10-86
	TOTAL		4,600		

9. Future Projects:

a. Included in following program (FY 88):

441.10	Fire Protection System	LS	350
822.26	Hot Water Lines Insulation	LS	1,180
880.10	Fire Alarm System	LS	1,050
			2,580

b. Major planned next three years:

165.10	Dredging	3,400,000 CY	15,950
211.05	Aircraft Maintenance Hangar	LS	12,600

10. Mission or Major Functions: Major air base for Navy ASW and Ocean surveillance aircraft (P-3) covering western approaches to Gibraltar, western Mediterranean and eastern Atlantic. Communication facility supports Defense Communications Service in western Mediterranean and maintains continuous contact with US 6th Fleet units afloat. Provides POL and ammunition storage. Major harbor facility (outside Mediterranean) supports transient 6th Fleet ship's logistics requirements. Military Airlift Command passenger and cargo terminal.

Fleet Air Reconnaissance Squadron

11. Outstanding pollution and safety deficiencies: ($000)

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health (OSH):	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, ROTA, SPAIN	4. PROJECT TITLE POL PIPELINE IMPROVEMENTS	

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 125.10	7. PROJECT NUMBER P-527	8. PROJECT COST ($000) 4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POL PIPELINE IMPROVEMENTS.	LS	-	-	4,250
REPLACE GASOLINE PIPELINES	LF	21,380	118.00	(2,530)
REPLACE POL PIER PIPELINES	LF	17,430	97.00	(1,690)
OIL CLEANUP.	LS	-	-	(30)
SUBTOTAL	-	-	-	4,250
CONTINGENCY (5%)	-	-	-	210
TOTAL CONTRACT COST.	-	-	-	4,460
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	250
TOTAL REQUEST.	-	-	-	4,710
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	4,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Replace four miles of 20 inch aviation and motor gasoline pipeline; replace five POL lines on POL Pier; provide cleanup of oil contaminated soil.

11. REQUIREMENT: As Required.

PROJECT: Replaces POL pipeline distribution system on POL pier and connecting lines to bulk storage tank farm.

REQUIREMENT: Adequate POL pipeline system including pipeline, marine loading arms, and truck loading racks to transfer aviation fuel and other petroleum products between POL pier and tank farm on the Rota Naval Base. POL depot storage support of deployed operating forces in western Mediterranean and eastern Atlantic including US Sixth Fleet, Naval Station Rota, and through the overland pipeline system to the USAF base at Torrejon, near Madrid.

CURRENT SITUATION: Petroleum distribution lines at the POL depot pier are over 25 years old. Ultrasonic tests reveal the wall thickness of piping is below the minimum criteria. These lines are exposed to a corrosive environment and frequent breaks have been experienced both outside and inside the naval base boundaries. The underground leakages recorded show petroleum spills in the amounts of 140,000 to 150,000 gallons, from which approximately 25,000 gallons were recovered. Present operations at the waterfront present a dangerous situation to personnel, property, and the surrounding environment, if an explosion should occur.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL STATION, ROTA, SPAIN

4. PROJECT TITLE
POL PIPELINE IMPROVEMENTS

5. PROJECT NUMBER
P-527

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Petroleum leakage from an aged pipeline system will be a continuous hazard to personnel and pollution of property and the surrounding environment. The operational POL depot sustaining fleet units can be jeopardized. Highly volatile leaking aviation fuel could result in an explosion with extensive damage to waterfront facilities, ships, personnel and adjacent family housing area.
ADDITIONAL: Prefinancing under NATO procedures is not planned for this project because it does not occur in a country participating in the NATO Infrastructure Program. Spain is a member of NATO but not a participant in Infrastructure.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started........................... 9-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 10-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (75)
(b) All Other Design Costs.......................... (80)
(c) Total.. 155
(d) Contract... (150)
(e) In-house... (5)

(4) Construction start.......................... 12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, SIGONELLA, ITALY	4. COMMAND COMMANDER IN CHIEF, NAVAL FORCES EUROPE	5. AREA CONSTR. COST INDEX 1.10

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	185	1888	530	0	0	0	157	609	0	3469
b. END FY 19 91	195	2257	550	0	0	0	180	1200	0	4382

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (650)
b. INVENTORY TOTAL AS OF 30 SEP 1985
c. AUTHORIZATION NOT YET IN INVENTORY 44,320
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 81,940
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 1,370
f. PLANNED IN NEXT THREE PROGRAM YEARS 7,640
g. REMAINING DEFICIENCY 44,680
h. GRAND TOTAL 54,010
.... 233,960

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730.83	Chapel Facilities	13,200 SF	1,370	10-85	6-86
	TOTAL		1,370		

9. Future Projects:

a. Included in following program (FY 88):

211.03	Corrosion Control Hanger	LS	3,100
211.75	Parachute Equipment Shop	11,500 SF	1,550
211.81	Engine Test Cell	6,500 SF	2,990
			7,640

b. Major planned next three years:

721.11	Constr Bat Supp Facs	143,480 SF	15,600
872.10	Physical Security Upgrade	LS	1,000

10. Mission or Major Functions: Navy's major mid-Mediterranean shore installation used for logistics support of the Sixth Fleet and as a base of operations for deployed, land-based ASW aircraft. Navy intra-theatre airlift squadrons also assigned, with carrier-on-board airlift mission. Supports transient, carrier-based tactical aircraft as required. Supports Military Airlift Command (MAC) cargo and passenger flights from US. Provides air logistics interface with nearby Augusta Bay NATO fuel and ammunition replenishment pier and depot.

11. Outstanding pollution and safety deficiencies: ($000)
a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health (OSH): 0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 1981 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION, SIGONELLA, ITALY	4. PROJECT TITLE CHAPEL FACILITIES

5. PROGRAM ELEMENT 2 46 96 N	6. CATEGORY CODE 730.83	7. PROJECT NUMBER P-733	8. PROJECT COST ($000) 1,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHAPEL FACILITIES.	SF	13,280	-	1,030
BUILDING	SF	5,000	116.00	(580)
BUILDING ADDITION.	SF	2,180	100.00	(220)
BUILDING ALTERATIONS	SF	6,100	29.00	(180)
BUILT-IN EQUIPMENT	LS	-	-	(50)
SUPPORTING FACILITIES.	-	-	-	240
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(90)
UTILITIES.	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(80)
SUBTOTAL	-	-	-	1,270
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,330
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,400
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,370
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building and building addition, engineered fill, concrete foundations and floors, built-up roofs; alterations to two buildings; elevator; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 17,020 SF. ADEQUATE: 3,740 SF. SUBSTANDARD: 870 SF.

PROJECT: Constructs a 150-seat chapel and space for religious education functions at the Maritime Airfield (NAS II), an addition with 50 seats and alterations to the existing chapel at the support site (NAS I), and renovates an existing building for a religious education facility at NAS I.

REQUIREMENT: Adequate religious facilities for permanent and transient personnel at NAS I and NAS II are necessary to meet the spiritual needs of assigned military, civilian, and dependents at this remote overseas location. NAS I and II are 10 miles apart.

CURRENT SITUATION: There are no chapel or religious education facilities at NAS II to serve the 1,000 bachelor officers and enlisted personnel who live and work there. Chapel services are held in a conference room in a warehouse. A NATO supply building is used on an interim basis for religious education functions. Religious education consists of Sunday school, religious instruction and group counseling. The existing 170 seat chapel at NAS I is too small. It was constructed in 1960 when the population was less than 2,000 compared with the current population of approximately 6,000 persons. There is no nearby community to provide

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, SIGONELLA, ITALY		
4. PROJECT TITLE CHAPEL FACILITIES		5. PROJECT NUMBER P-733

11. **REQUIREMENT:** (Continued)
CURRENT SITUATION: (Continued)
religious programs. Today, services in the chapel are overcrowded with people standing in the aisles. During summer months, overcrowding discourages church attendance and effects overall morale. There is no religious education building at NAS I to provide adequate spiritual support to military, civilian, and dependents residing at the personnel support site or in off-base rental housing. Presently, religious education meetings and services are held at odd hours in the gymnasium or any vacant room of an available facility.

IMPACT IF NOT PROVIDED: Continued overcrowding and multiple scheduling will result in inability to provide adequate spiritual support to permanent and transient personnel and their dependents located at this remote location. Morale and welfare of personnel will continue to be adversely affected as well as counseling responsiveness to personnel; and their families spiritual needs may not be realized.

ADDITIONAL: Prefinancing under NATO procedures is not planned for this project as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................10-85
(b) Percent Complete as of January 1986...........35
(c) Percent Complete as of October 1986...........100
(d) Date Design Complete............................6-86
(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________
(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(80)
(b) All Other Design Costs..............................(85)
(c) Total...(165)
(d) Contract..150
(e) In-house..(15)
(4) Construction start............................12-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION CLASSIFIED LOCATION		4. PROJECT TITLE MAGAZINES	
5. PROGRAM ELEMENT 2 49 96 N	6. CATEGORY CODE 421.72	7. PROJECT NUMBER P-421	8. PROJECT COST ($000) 15,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAGAZINES.	LS	-	-	11,560
SUPPORTING FACILITIES.	-	-	-	2,890
UTILITIES.	LS	-	-	(1,290)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,600)
SUBTOTAL	-	-	-	14,450
CONTINGENCY (5%)	-	-	-	720
TOTAL CONTRACT COST.	-	-	-	15,170
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	830
TOTAL REQUEST.	-	-	-	16,000
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	15,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete, earth covered, barricaded ordnance storage magazines; earthwork and grading, drainage system, access roads, security fencing and lighting.

11. REQUIREMENT: 40 EA. ADEQUATE: 0 EA. SUBSTANDARD: 0 EA.

PROJECT: Constructs forty magazines, concrete working aprons, perimeter roadways, and chain link fencing; provides security alarms and lighting.

REQUIREMENT: Sufficient magazines to accommodate current and projected requirements for prepositioned storage of ordnance for contingency operations and training. Mission statement is classified.

CURRENT SITUATION: No storage capability exists to satisfy this requirement.

IMPACT IF NOT PROVIDED: Unable to execute contingency mission.

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NAVAL TELECOMMUNICATIONS COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL TELECOMMUNICATIONS COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NCS Harold E. Holt,	193	Public Works Shop	$ 1,870	$ 1,870	717
Exmouth, AU	206	Emergency Cooling System	310	310	783
		Subtotal	2,180	2,180	
NAVCAMSWESTPAC,	216	Fire Protection System	480	480	784
Guam		Subtotal	480	480	
NAVCAMSMED	817	Sigonella Transmitter Facility	8,250	8,250	721
Naples, IT		Subtotal	8,250	8,250	
NCS San Miguel,	939	Fire Protection System	470	470	787
RP		Subtotal	470	470	
NCS Thurso,	018	Perimeter Security Fence	350	350	788
Scotland, UK		Subtotal	350	350	
TOTAL - NAVAL TELECOMMUNICATIONS COMMAND			11,730	11,730	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION HAROLD E. HOLT, EXMOUTH, AUSTRALIA	4. COMMAND NAVAL TELECOMMUNICATIONS COMMAND	5. AREA CONSTR. COST INDEX 1.44

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	26	392	32	0	0	0	5	11	0	466
b. END FY 19 91	22	422	32	0	0	0	5	11	0	492

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(18,155)
b. INVENTORY TOTAL AS OF 30 SEP 1985	82,500
c. AUTHORIZATION NOT YET IN INVENTORY	5,710
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,180
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	16,000
g. REMAINING DEFICIENCY	5,500
h. GRAND TOTAL	111,890

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.15	Emergency Cooling System	LS	310	6-85	4-86
219.10	Public Works Shop	14,040 SF	1,870	5-85	4-86
	TOTAL		2,180		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

131.15	Fire Protection	LS	400
730.85	Post Office	1,500 SF	500
740.23	Commissary	10,470 SF	500
811.10	Electric Power Generators	LS	13,000
872.10	Security Fencing	55,000 LF	1,600

10. Mission or Major Functions: Provides command and control communications, ship-to-shore service to the Fleet, and satellite communications, using extremely low frequencies, high frequencies, and satellite terminal equipment. Primary area covered is the Southwest Pacific and Indian Ocean.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, HAROLD E. HOLT, EXMOUTH, AUSTRALIA	4. PROJECT TITLE PUBLIC WORKS SHOP

5. PROGRAM ELEMENT 3 31 96 N	6. CATEGORY CODE 219.10	7. PROJECT NUMBER P-193	8. PROJECT COST ($000) 1,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PUBLIC WORKS SHOP.	SF	14,040	-	1,200
BUILDING	SF	10,380	80.00	(830)
BUILDING ALTERATIONS	SF	3,660	40.00	(150)
BUILT-IN EQUIPMENT	LS	-	-	(220)
SUPPORTING FACILITIES.	-	-	-	510
UTILITIES.	LS	-	-	(230)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(220)
DEMOLITION	LS	-	-	(60)
SUBTOTAL	-	-	-	1,710
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,800
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,900
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, reinforced masonry walls, metal roof; building alterations; bridge cranes; fire protection system, air conditioning, utilities; demolition of five buildings.

11. REQUIREMENT: 24,870 SF. ADEQUATE: 10,830 SF. SUBSTANDARD: 24,400 SF.

PROJECT: Constructs building and alters portion of an existing building.

REQUIREMENT: Adequate public works shop spaces and ready issue storage facilities. Public works facilities are especially necessary for mission accomplishment, as there is no alternative for this support in the area. The nearest city which could provide contract support for facilities maintenance is hundreds of miles from the station.

CURRENT SITUATION: Public works functions occupy buildings the contractor used during construction of the communication station in 1965. Since these buildings were erected for short term use, they did not need to meet US or Australian building codes and standards. When the contractor finished, the buildings were retained for temporary use until replacements could be programmed and funded. These buildings are inadequate and substandard for efficient service in temperatures ranging from 110°F to 120°F for welding, machine, plumbing, and sheet metal shops. No weight or materials handling equipment is installed in any shop.

IMPACT IF NOT PROVIDED: Unsafe, inefficient, and unsuitable working conditions, and difficulties caused by temporary and small inefficient shops are contributing to labor problems which are expected to increase.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL COMMUNICATION STATION, HAROLD E. HOLT, EXMOUTH, AUSTRALIA

4. PROJECT TITLE
PUBLIC WORKS SHOP

5. PROJECT NUMBER
P-193

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	5-85
(b) Percent Complete as of January 1986	70
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	4-86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X

(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	(115)
(b) All Other Design Costs	(30)
(c) Total	145
(d) Contract	(135)
(e) In-house	(10)

(4) Construction start 1-87 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION AREA MASTER STATION WESTERN PACIFIC, GUAM	4. COMMAND NAVAL TELECOMMUNICATIONS COMMAND	5. AREA CONSTR. COST INDEX 1.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	50	1095	227	0	0	0	0	0	0	1372
b. END FY 19 91	49	1070	227	0	0	0	0	0	~0	1346

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,801)
b. INVENTORY TOTAL AS OF 30 SEP 1985	54,020
c. AUTHORIZATION NOT YET IN INVENTORY	13,460
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	480
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	7,900
g. REMAINING DEFICIENCY	16,000
h. GRAND TOTAL	91,860

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
842.10	Fire Protection System	LS	480	6-85	2-86
	TOTAL		480		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

131.25	Building Shielding	LS	1,300
131.45	Comm Bldg Upgrade	LS	4,000
740.76	Library	6,250 SF	800
813.20	Elect Power Substation	LS	1,300
872.10	Security Fencing	4,000 LF	500

10. Mission or Major Functions: Provides Fleet broadcasts to ships and Fleet units in the Pacific Ocean, and point-to-point communications for the Navy and Defense Communications System, using high frequency and satellite systems; part of a worldwide network of Defense communication.

11. Outstanding pollution and safety deficiencies:	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION AREA MASTER STATION MEDITERRANEAN, NAPLES, ITALY	4. COMMAND NAVAL TELECOMUNICATIONS COMMAND	5. AREA CONSTR. COST INDEX 1.10

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	8	175	26	0	0	0	0	0	0	209
b. END FY 19 91	11	298	29	0	0	0	0	0	0	338

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NSA
b. INVENTORY TOTAL AS OF 30 SEP 1985	140
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,250
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,400
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	13,790

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.50	Sigonella Transmitter Fac	23,000 SF	8,250	8-85	9-86
	TOTAL		8,250		

9. Future Projects:

a. Included in following program (FY 88):

132.10	Antenna & Helix House	LS	5,400
			5,400

b. Major planned next three years: None.

10. Mission or Major Functions: Provide fleet broadcast and other tactical communications support in the Mediterranean/Red Sea area in support of operating forces. Provide point-to-point communications for the Defense Communications Service for command and control circuits. Facilities provide for high-frequency and satellite communications with the fleet, as well as satellite communications for the Defense Communications System. As area master station, this activity maintains operational direction and management control of naval communications in the area.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL COMMUNICATIONS AREA MASTER STATION MEDITERRANEAN, NAPLES, ITALY	4. PROJECT TITLE SIGONELLA TRANSMITTER FACILITY

5. PROGRAM ELEMENT 3 31 13 N	6. CATEGORY CODE 131.50	7. PROJECT NUMBER P-817	8. PROJECT COST ($000) 8,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRANSMITTER FACILITY	SF	23,000	-	4,870
TRANSMITTER BUILDING	SF	23,000	138.00	(3,180)
BUILT-IN EQUIPMENT	LS	-	-	(1,690)
SUPPORTING FACILITIES.	-	-	-	2,700
ELECTRICAL UTILITIES	LS	-	-	(900)
MECHANICAL UTILITIES	LS	-	-	(280)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,520)
SUBTOTAL	-	-	-	7,570
CONTINGENCY (5%)	-	-	-	380
TOTAL CONTRACT COST.	-	-	-	7,950
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	440
TOTAL REQUEST.	-	-	-	8,390
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	8,250
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(9,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story reinforced concrete and masonry building, concrete floor and foundation, built-up roof, computer flooring, emergency generators, shielding and grounding, fire protection system, air conditioning, utilities; two miles of four-inch waterline from existing well; four miles of access road.

11. REQUIREMENT: 23,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a transmitter facility and antenna foundations for an efficient high frequency (HF) and low frequency (LF) transmitter capability at Sigonella.

REQUIREMENT: Satisfy current and emergency communications requirements in the CINCUSNAVEUR area of responsibility. Communication and support spaces for 60 HF and one LF transmitters, the Navy's principal communications media for point-to-point administrative operational traffic and shore-to-ship communications with the SIXTHFLEET and naval units operating in the Mediterranean sea.

CURRENT SITUATION: Fleet satellite communication systems are saturated, and HF/LF systems are rapidly becoming the principal tactical communication medium. NAVCAMSMEDDET Sigonella operates 12 transmitters from a vanized site which is being expanded to accommodate five additional vans and a total of 34 transmitters. The result of this expansion will be a highly inefficient arrangement of parallel vans interconnected by a central, perpendicular corridor. This configuration is extremely cramped and

(Continued on DD 1391c)

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATIONS AREA MASTER STATION MEDITERRANEAN, NAPLES, ITALY		
4. PROJECT TITLE SIGONELLA TRANSMITTER FACILITY		5. PROJECT NUMBER P-817

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
results in inefficient and ineffective operations and equipment maintenance. It does not provide adequate support areas. Vans require constant maintenance to prevent deterioration and weather damage.
IMPACT IF NOT PROVIDED: Because of limited real estate at the existing site, expansion to 60 HF transmitters and antennas and one LF system will not be possible. Unable to adequately meet present and planned command and control requirements.
ADDITIONAL: Prefinancing under NATO procedures is not planned for this project, as it is not required for use by or in support of a US unit committed to NATO.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
  (a) Date Design Started 8-85
  (b) Percent Complete as of January 1986............ 35
  (c) Percent Complete as of October 1986............ 100
  (d) Date Design Complete.............................. 9-86

(2) Basis:
  (a) Standard or Definitive Design: Yes____ No X
  (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  (a) Production of Plans and Specifications........(240)
  (b) All Other Design Costs..........................(240)
  (c) Total.. 480
  (d) Contract...(400)
  (e) In-house...(80)

(4) Construction start.......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Antennas, Cables, Ancillary Equipment	OPN BA-2 O&MN BA-2	1987-1988	9,000

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, SAN MIGUEL, REPUBLIC OF THE PHILIPPINES	4. COMMAND NAVAL TELECOMMUNICATIONS COMMAND	5. AREA CONSTR. COST INDEX 0.88

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	28	427	17	0	0	0	0	0	0	472
b. END FY 19 91	31	451	17	0	0	0	0	0	0	499

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,233)
b. INVENTORY TOTAL AS OF 30 SEP 1985	16,900
c. AUTHORIZATION NOT YET IN INVENTORY	300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	470
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	8,400
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	26,070

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
842.10	Fire Protection System	LS	470	6-85	5-86
	TOTAL		470		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

131.17	Auto Message Exchange	16,640 SF	2,900
730.83	Chapel	5,500 SF	1,000
740.69	Consolidated Club	LS	1,900
740.78	Recreation Building	3,030 SF	600
812.30	Electric Power System	LS	2,000

10. Mission or Major Functions: Provide fleet broadcasts to ships and fleet units operating in the Western Pacific, and point-to-point communications for administration, logistics, command and control. Part of the world-wide Defense Communications Network.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, THURSO, SCOTLAND, UNITED KINGDOM	4. COMMAND NAVAL TELECOMMUNICATIONS COMMAND	5. AREA CONSTR. COST INDEX 1.01

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	8	184	0	0	0	0	0	0	0	192
b. END FY 19 91	8	186	0	0	0	0	0	0	0	194

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(250)
b. INVENTORY TOTAL AS OF 30 SEP 1985	8,330
c. AUTHORIZATION NOT YET IN INVENTORY	1,400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	350
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,000
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	12,080

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	Perimeter Security Fence	LS	350	9-85	8-86
	TOTAL		350		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

812.30 Elect Power Distribution LS 2,000

10. Mission or Major Functions: Provide fleet broadcast and other tactical communications in the North Atlantic area. Provide point-to-point communications for the Defense Communications Service for command and control. Facilities provide high frequency, very low frequency, and satellite communications.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

NAVAL SECURITY GROUP COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL SECURITY GROUP COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NSGA Edzell, Scotland, UK	047	Ocean Surveillance Building Additions	$ 2,250	$ 2,250	727
		Subtotal	2,250	2,250	
NSGD Guam	224	Ocean Surveillance Building Addition	2,150	2,150	730
		Subtotal	2,150	2,150	
NSGA Sabana Seca, PR	031	Bachelor Enlisted Quarters Improvements	790	790	786
		Subtotal	790	790	
TOTAL - NAVAL SECURITY GROUP COMMAND			5,190	5,190	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, EDZELL, SCOTLAND, UNITED KINGDOM	4. COMMAND NAVAL SECURITY GROUP COMMAND	5. AREA CONSTR COST INDEX 1.01

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	41	692	80	0	0	0	0	0	0	813
b. END FY 19 91	38	732	80	0	0	0	0	0	0	850

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (456)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	16,590
c. AUTHORIZATION NOT YET IN INVENTORY	5,080
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,250
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	850
f. PLANNED IN NEXT THREE PROGRAM YEARS	6,000
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	30,770

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.80	Ocean Surveillance Building Additions	12,950 SF	2,250	4-84	7-86
	TOTAL		2,250		

9. Future Projects:

a. Included in following program (FY 88):

730.25	Station Entrance	LS	850
			850

b. Major planned next three years:

740.20	Navy Temp Lodging	LS	1,700
740.64	Consolidated Club	22,340 SF	3,200
740.88	Human Resources Center	8,630 SF	1,100

10. Mission or Major Functions: Provide ship-to-shore tactical communications, monitor transmission procedures, and research into electronic phenomena.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, EDZELL, SCOTLAND, UNITED KINGDOM	4. PROJECT TITLE OCEAN SURVEILLANCE BUILDING ADDITIONS

5. PROGRAM ELEMENT N F I P 3 41 14 N	6. CATEGORY CODE 143.80	7. PROJECT NUMBER P-047	8. PROJECT COST ($000) 2,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OCEAN SURVEILLANCE BUILDING ADDITIONS. . . .	SF	12,950	-	1,680
BUILDING ADDITIONS	SF	12,950	93.00	(1,200)
BUILDING ALTERATIONS	LS	-	-	(450)
BUILT-IN EQUIPMENT	LS	-	-	(30)
SUPPORTING FACILITIES.	-	-	-	350
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
SUBTOTAL	-	-	-	2,030
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,130
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,250
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,250
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(300)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete building addition to two buildings; alterations to one building; raised flooring, temperature and humidity control, relocate intrusion detection system, fire protection system, utilities, air conditioning.

11. REQUIREMENT: 37,910 SF. ADEQUATE: 24,960 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs additions to ocean surveillance buildings.

REQUIREMENT: Adequate space to accommodate the Classic Wizard program, additional equipment and personnel, and augmentation of electric power. Additional antennas have been installed, and new equipment placed in the operations building, severely overcrowding the facility.

CURRENT SITUATION: Facility contains two-thirds of the required floor space to perform the expanded mission and is presently crowded with computers and desks. Maintenance shops, storage of repair parts and operating supplies, and office space for the development and upkeep of software programs are inadequate in size and configuration.

IMPACT IF NOT PROVIDED: The activity will suffer a reduced capability to report in a timely manner. The "real-time" capability necessary for effective operations will not be possible, degrading the activity's mission.

(Continued on DD 1391c)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, EDZELL, SCOTLAND, UNITED KINGDOM		
4. PROJECT TITLE OCEAN SURVEILLANCE BUILDING ADDITIONS		5. PROJECT NUMBER P-047

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 4-84
(b) Percent Complete as of January 1986........... 70
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 7-86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(130)
(b) All Other Design Costs..........................(5)
(c) Total.. 135
(d) Contract..(130)
(e) In-house..(5)

(4) Construction start......................... 11-86
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Uniterruptible Power System	OPN(BA-3)	1986	300

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP DETACHMENT, GUAM	4. COMMAND NAVAL SECURITY GROUP COMMAND	5. AREA CONSTR. COST INDEX 1.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	14	310	9	0	0	0	0	0	0	333
b. END FY 19 91	13	320	9	0	0	0	0	0	0	342

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE Tenant of NAVCAMSWESTPAC

b. INVENTORY TOTAL AS OF 30 SEP 1985 0

c. AUTHORIZATION NOT YET IN INVENTORY 0

d. AUTHORIZATION REQUESTED IN THIS PROGRAM 2,150

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0

f. PLANNED IN NEXT THREE PROGRAM YEARS 0

g. REMAINING DEFICIENCY 0

h. GRAND TOTAL 2,150

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.80	Ocean Surveillance Bldg Addn	LS	2,150	6-85	9-86
	TOTAL		2,150		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: Provides tactical communications, monitor transmission procedures, and research into electronic phenomena.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution: 0

b. Water pollution: 0

c. Occupational safety and health (OSH): 0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP DETACHMENT, GUAM	4. PROJECT TITLE OCEAN SURVEILLANCE BUILDING ADDITION	

5. PROGRAM ELEMENT N P I P 3 41 14 N	6. CATEGORY CODE 143.80	7. PROJECT NUMBER P-224	8. PROJECT COST ($000) 2,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OCEAN SURVEILLANCE BUILDING ADDITION	LS	-	-	1,940
SUBTOTAL	-	-	-	1,940
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,040
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	110
TOTAL REQUEST.	-	-	-	2,150
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	2,150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(300)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete frame and masonry building addition, concrete foundation and floor, built-up roof, shielding, computer flooring, fire detection and protection sprinkler and CO_2 system, security system, air conditioning and modification to existing mechanical ventilation and electrical systems, new security fencing, utilities.

11. REQUIREMENT: 26,950 SF. ADEQUATE: 19,550 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides an addition to the Classic Wizard ocean surveillance building and an addition to the uninterruptible power supply building.

REQUIREMENT: Adequate additional space and electric power for the rapidly expanding Classic Wizard mission.

CURRENT SITUATION: The processing facility and supporting power system will not support additional functions. New electronic processing equipment is being added, and a fourth antenna is being installed to support the additional mission. The present uninterruptible power system can supply only half the capacity necessary for new computer equipment, and present electrical service to the building is inadequate.

IMPACT IF NOT PROVIDED: The additional mission responsibility cannot be accommodated.

(Continued on DD 1391c)

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL SECURITY GROUP DETACHMENT, GUAM

4. PROJECT TITLE
OCEAN SURVEILLANCE BUILDING ADDITION

5. PROJECT NUMBER
P-224

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 6-85
(b) Percent Complete as of January 1986........... 50
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete........................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........ (115)
(b) All Other Design Costs......................... (125)
(c) Total.. 240
(d) Contract....................................... (200)
(e) In-house....................................... (40)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Uniterruptible Power System	OPN(BA-3)	1986	300

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, SABANA SECA, PUERTO RICO	4. COMMAND NAVAL SECURITY GROUP COMMAND	5. AREA CONSTR. COST INDEX 1.20

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	20	339	71	0	0	0	0	0	0	430
b. END FY 19 91	20	352	71	0	0	0	0	0	0	443

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,616)
b. INVENTORY TOTAL AS OF 30 SEP 1985	11,990
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	790
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	330
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,000
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	14,110

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	Bachelor Enlisted Qtrs Imprs	LS	790	9-84	6-86
	TOTAL		790		

9. Future Projects:

a. Included in following program (FY 88):

872.10	Security Fencing	11,000 LF	330
			330

b. Major planned next three years:

740.69	Consolidated Mess	4,500 SF	1,000

10. Mission or Major Functions: Provide tactical communications, monitor transmission procedures, and research into electronic phenomena.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390
S/N 0102-LF-001-3901

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

NAVAL FACILITIES ENGINEERING COMMAND

FY 1987 MILITARY CONSTRUCTION PROGRAM
NAVAL FACILITIES ENGINEERING COMMAND INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NPWC Guam	144	Power Plant Modifications	$ 1,080	$ 1,080	735
	148	Vehicle Service Center	490	490	783
		Subtotal	1,570	1,570	
NPWC Subic Bay, RP	879	Facility Energy Improvements	2,100	2,100	746
		Subtotal	2,100	2,100	
TOTAL - NAVAL FACILITIES ENGINEERING COMMAND			3,670	3,670	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, GUAM	4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND	5. AREA CONSTR COST INDEX 1.95

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	12	0	1453	0	0	0	0	0	0	1465
b. END FY 19 91	20	0	1453	0	0	0	0	0	0	1473

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,117)
b. INVENTORY TOTAL AS OF 30 SEP 1985	282,330
c. AUTHORIZATION NOT YET IN INVENTORY	1,310
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,570
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,850
f. PLANNED IN NEXT THREE PROGRAM YEARS	20,560
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	317,620

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
123.10	Vehicle Service Center	LS	490	2-85	6-86
811.25	Power Plant Mods	LS	1,080	8-85	3-86
	TOTAL		1,570		

9. Future Projects:

a. Included in following program (FY 88):

821.12	Boiler Plant Mods	LS	3,050
822.14	Condensate System Mods	LS	1,850
831.10	Sewage Treatment Plant	LS	3,000
831.20	Sewer Outfall	LS	3,950
			11,850

b. Major planned next three years:

610.10	Production Engr Facility	LS	8,900

10. Mission or Major Functions: Provide maintenance, repair, minor construction and other public works support, including transportation equipment, utilities, telephone, Navy housing, engineering services, and shore facilities planning assistance for Naval forces in the Guam area. Also supports the US Air Force, Government of Guam, Trust Territories of the Pacific Islands and other government and authorized agencies.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	6,950
c. Occupational safety and health (OSH):	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO. 734

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, GUAM		4. PROJECT TITLE POWER PLANT MODIFICATIONS	
5. PROGRAM ELEMENT 7 20 96 N	6. CATEGORY CODE 811.25	7. PROJECT NUMBER P-144	8. PROJECT COST ($000) 1,080

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POWER PLANT MODIFICATIONS.	LS	-	-	990
SUBTOTAL	-	-	-	990
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,040
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	60
TOTAL REQUEST.	-	-	-	1,100
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	1,080
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide flame safeguard system on three boilers, including new burners, windbox faceplate, electric ignitors, flame scanners, associated piping; relocate uninterruptible power system.

11. REQUIREMENT: As Required.

PROJECT: Provides a flame safeguard system on boilers at the Piti Power Plant in compliance with current OSH criteria for boiler safety operations.

REQUIREMENT: Flame safeguard equipment is a mandatory requirement for large automatic or semi-automatic boilers in steam power plants owned and operated by naval shore activities.

CURRENT SITUATION: Three semi-automatic, multi-burner boilers with manual-torch light-offs do not have flame proving devices. The lack of a flame safeguard system on all boilers, combined with gas accumulation in the combustion chambers and an operator error could result in a severe explosion.

IMPACT IF NOT PROVIDED: Boiler operations will continue to present a potentially serious hazard to personnel. An explosion would mean serious injury or death to operators and costly damage to the power plant.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, GUAM		
4. PROJECT TITLE POWER PLANT MODIFICATIONS	5. PROJECT NUMBER P-144	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.............................. 8-85
- (b) Percent Complete as of January 1986............ 60
- (c) Percent Complete as of October 1986............ 100
- (d) Date Design Complete............................ 3-86

(2) Basis:
- (a) Standard or Definitive Design: Yes____ No X
- (b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........ (55)
- (b) All Other Design Costs.......................... (35)
- (c) Total.. 90
- (d) Contract... (80)
- (e) In-house... (10)

(4) Construction start.............................. 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, SUBIC BAY, REPUBLIC OF THE PHILIPPINES	4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND	5. AREA CONSTR COST INDEX 0.88

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	12	1	2550	0	0	0	0	0	0	2563
b. END FY 19 91	19	6	2550	0	0	0	0	0	0	2575

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,485)
b. INVENTORY TOTAL AS OF 30 SEP 1985	84,640
c. AUTHORIZATION NOT YET IN INVENTORY	2,050
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	62,390
g. REMAINING DEFICIENCY	36,000
h. GRAND TOTAL	193,180

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
832.12	Facility Energy Improvements	LS	2,100	5-85	6-86
	TOTAL		2,100		

9. Future Projects:

a. Included in following program (FY 88):

841.10	Water Treatment Plant Imprs	LS	6000
			6000

b. Major planned next three years:

214.20	Transportation Complex	LS	10,700
811.10	Electric Power Plant	LS	34,000

10. Mission or Major Functions: Provides direct logistics and operational support of the operating forces of the U.S. Navy and shore activities as assigned and to perform such other tasks and functions as directed.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	8,900
c. Occupational safety and health (OSH):	500

DD FORM 1 DEC 76 1390

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OFFICE OF
THE CHIEF OF NAVAL RESEARCH

FY 1987 MILITARY CONSTRUCTION PROGRAM
OFFICE OF THE CHIEF OF NAVAL RESEARCH INDEX
(All Dollars in Thousands)

INSTALLATION/ LOCATION	PROJ. NO.	PROJECT TITLE	AUTH. REQUEST	APPRO. REQUEST	1391 PAGE NUMBER
NUSC Andros Island, Bahamas	197	Civilian Quarters	$ 3,730	$ 3,730	740
		Subtotal	3,730	3,730	
TOTAL - OFFICE OF THE CHIEF OF NAVAL RESEARCH			3,730	3,730	

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL UNDERWATER SYSTEMS CENTER, ANDROS ISLAND, BAHAMAS	4. COMMAND OFFICE OF THE CHIEF OF NAVAL RESEARCH	5. AREA CONSTR. COST INDEX 1.20

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	3	8	624	0	0	0	31	50	55	771
b. END FY 19 91	3	6	633	0	0	0	20	34	50	746

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0-Foreign Country)	
b. INVENTORY TOTAL AS OF 30 SEP 1985	
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	990
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,730
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	8,000
h. GRAND TOTAL	15,400
	28,120

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
724.21	Civilian Quarters	38,000 SF	3,730	1-85	4-86
	TOTAL		3,730		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years:

721.31	Civilian Quarters	42,000 SF	4,000
721.31	Civilian Quarters	42,000 SF	4,000

10. Mission or Major Functions: Deep water test and evaluation facility for making underwater acoustic measurements, testing and calibrating sonars, and providing accurate underwater, surface, and in-air tracking data on surface ships, submarines, aircraft and weapons in support of the US Navy's anti-submarine warfare and undersea research and development programs, and for ASW fleet assessment and operational readiness.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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1. COMPONENT NAVY	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL UNDERWATER SYSTEMS CENTER, ANDROS ISLAND, BAHAMAS	4. PROJECT TITLE CIVILIAN QUARTERS

5. PROGRAM ELEMENT 6 58 96 N	6. CATEGORY CODE 724.23	7. PROJECT NUMBER P-197	8. PROJECT COST ($000) 3,730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CIVILIAN QUARTERS.	SF	38,000	75.00	2,850
SUPPORTING FACILITIES.	-	-	-	600
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(250)
UTILITIES, PAVING & SITE IMPROVEMENT . . .	LS	-	-	(350)
SUBTOTAL	-	-	-	3,450
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST.	-	-	-	3,620
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,820
REQUEST LESS BUDGET INFLATION ADJUSTMENT . .	-	-	-	3,730
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story masonry load-bearing wall building, built-up roof, concrete foundation and floor, air conditioning, fire protection system, utilities; individual bedrooms with private bathrooms.

Grade mix: 96 Contractor Personnel. TOTAL: 96.

11. REQUIREMENT: 483 PN. ADEQUATE: 175 PN. SUBSTANDARD: 0 PN.

PROJECT: Provides adequate billeting for 96 civilian base operating support contractor's personnel.

REQUIREMENT: Adequate housing for 483 civilian base operating support contractor's personnel to support the RDT&E mission.

CURRENT SITUATION: Existing berthing capacity of 175 spaces is insufficient to house all required personnel, resulting in overcrowding. Housing of personnel is being accomplished by double, and in some cases triple, occupancy of rooms designed for single occupancy. Also, some temporary relocatable trailer units are being used to relieve the critical housing shortage.

IMPACT IF NOT PROVIDED: Only essential personnel are located at Andros Ranges and their number cannot be reduced without jeopardizing the RDT&E mission. Required alternate actions would be to continue double and triple occupancy of rooms designed for single occupancy. House contractor personnel in enlisted equivalent quarters, to the detriment of the enlisted equivalent personnel. Install additional temporary relocatable units or

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL UNDERWATER SYSTEMS CENTER, ANDROS ISLAND, BAHAMAS		
4. PROJECT TITLE CIVILIAN QUARTERS		5. PROJECT NUMBER P-197

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
temporary structures with the attendant waste of temporary facilities and utility systems, or commute between Andros Island and the United States or Nassau. All the above alternatives would continue the attendant problem of adverse affect on morale and employee retention.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 1-85
(b) Percent Complete as of January 1986........... 90
(c) Percent Complete as of October 1986........... 100
(d) Date Design Complete.......................... 4-86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(140)
(b) All Other Design Costs.........................(120)
(c) Total..(260)
(d) Contract....................................... 220
(e) In-house.......................................(40)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

ENERGY CONSERVATION INVESTMENT PROGRAM

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES	4. PROJECT TITLE ENERGY CONSERVATION FACILITIES	

5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIES	7. PROJECT NUMBER VARIOUS	8. PROJECT COST ($000) 10,430

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENERGY CONSERVATION FACILITIES.	LS	–	–	10,430
FACILITY ENERGY IMPROVEMENTS (5).	LS	–	–	(5,510)
STEAM AND CONDENSATE SYSTEMS (2).	LS	–	–	(3,530)
LIGHTING SYSTEMS (1).	LS	–	–	(210)
BOILER PLANT MODIFICATIONS (1).	LS	–	–	(1,180)
TOTAL REQUEST LESS BUDGET INFLATION ADJUSTMENT	–	–	–	10,430

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Specific work is defined by engineering studies.
(See individual project description.)

11. REQUIREMENT: As Required.

PROJECT: Provides necessary improvements, alterations, upgrade and repair to existing structures and utility systems to reduce energy consumption.

REQUIREMENT: Continue to reduce energy consumption.

CURRENT SITUATION: The buildings and utility systems involved were originally designed and constructed using criteria of an earlier, less energy-conscious era. Drastic rise in fuel costs and decreasing supply of energy resources make it no longer economically feasible or prudent to allow these conditions to remain unchanged.

IMPACT IF NOT PROVIDED: A serious waste of energy will continue.

ADDITIONAL: The energy conservation program includes projects in the following categories:

Facility Energy Improvements

These projects are either combinations of work from several of the energy conservation categories, or retrofits that are not defined by other energy conservation categories. Retrofits such as ceiling insulation, reduction of excess glass area, and efficiency improvements to steam distribution systems are contained in this category.

(Continued on DD 1391c)

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U.S. Government Printing Office: [illegible]

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE ENERGY CONSERVATION FACILITIES		5. PROJECT NUMBER VARIOUS

11. REQUIREMENTS: (continued)
ADDITIONAL: (continued)

Steam and Condensate Systems
Many installations use central boiler plants to produce steam which is transferred throughout the installation in a distribution system. This steam is used for heating and industrial process functions. Many of these distribution systems were built when designs and economic conditions did not warrant current efficiency standards. The energy efficiency of many of these distribution systems has deteriorated. Major energy savings can be achieved through the installation of steam and condensate return lines and systems to permit plant shutdown during low-load summer months, as well as modernization and rehabilitation of existing lines, including improved insulation and steam flow metering and controls.

Lighting Systems
Many of the older buildings were designed with incandescent lighting systems. These incandescent fixtures require more electricity for the same lighting levels and have a much shorter bulb-life than fluorescent and high intensity discharge fixtures. Under certain conditions, energy savings can also be obtained by converting from fluorescent and certain high intensity discharge lighting systems. Other innovations to conserve electricity such as selective controls, timers, and photo-electric cells are also included in this category.

Boiler Plant Modifications
The majority of the central steam plants for heating and process load requirements were designed and built prior to or during World War II and do not meet modern efficiency standards for energy conservation. Significant quantities of energy can be saved through improvement of boiler controls, plant modifications including boiler water treatment and economizers, and installation of small local boilers to eliminate deteriorated steam lines.

The DP abbreviation indicates the discounted payback in years for each project. The SIR abbreviation indicates the savings to investment ratio.

Individual project descriptions follow:

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE ENERGY CONSERVATION FACILITIES		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Inside the United States

California

812.20 P-162 Lighting Systems, NS Long Beach 210

This project replaces the gymnasium incandescent and mercury vapor and the squash/handball court incandescent interior lighting with fluorescent and high pressure sodium lighting. Project also replaces mercury vapor exterior lighting on nine buildings, street and pier lighting, dispensary incandescent lighting, training school mercury vapor parking lot lighting, officers quarters quartz, incandescent, and mercury vapor lighting, and the exchange building quartz and incandescent lighting with high pressure sodium lighting. D/P: 7.5. SIR: 2.4.

Florida

890.09 P-115 Boiler Plant Modifications, NTTC Pensacola 1,180

This project shuts down and disconnects a 40 year-old central steam plant and provides nine individual packaged boilers, eight heat pumps or gas fired heaters, associated piping and equipment, seven boiler room buildings or additions, fuel oil storage tanks, and extension of underground gas supply system. D/P: 2.9. SIR: 6.4.

Maryland

822.21 P-369 Steam and Condensate Systems, NATC
Patuxent River 2,450

This project replaces 11,200 feet of deteriorated high temperature hot water (HTHW) distribution lines. The project includes vents, drains, manholes, shut-off valves, and other required accessories for proper control and service. Project also provides cathodic protection to the new HTHW distribution lines. D/P: 7.8. SIR: 3.4.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE ENERGY CONSERVATION FACILITIES		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Mississippi	
721.11	P-711	Facility Energy Improvements, NCBC Gulfport	400

This project provides weatherstripping in nine buildings and reflective film for solar shading on windows of three buildings. Reduction of glass area in two buildings, air conditioning system modifications in one building, photoelectric switches on the lighting system in one building, refrigeration heat recovery in three buildings, increased piping and pumping efficiency in nine buildings, temperature set-back time clocks in six buildings, upgrading of absorption unit in one building, and improved metering in twenty-two buildings. D/P: 3.0. SIR: 4.2.

721.11	P-252	Facility Energy Improvements, NAS Meridian	650

This project provides installation of a waste heat recovery system in one building, addition of flow restriction devices in 16 buildings, pipe insulation in one building; modification of controls in six buildings; weatherstripping in eleven buildings; replacement of incandescent lighting systems with fluorescent fixtures in 13 buildings; conversion of constant volume air handling systems to variable air volume systems in four buildings, and addition of gas and electric metering in 20 buildings. D/P: 4.0. SIR: 3.8.

		Pennsylvania	
441.10	P-097	Facility Energy Improvements, NSPCC Mechanicsburg	1,670

This project provides styrofoam insulated panels on the windows of 14 buildings. As a result of the sealing and insulation, a ventilation problem will occur requiring installation of ventilation systems. Existing metal sash windows are to be replaced with insulated ventilating sash. This project also replaces inefficient incandescent light fixtures with high pressure sodium lighting in six warehouse buildings. D/P: 5.8. SIR: 3.4.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE ENERGY CONSERVATION FACILITIES	5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Texas	
610.10	P-260	Facility Energy Improvements, NAS Corpus Christi	690

This project provides updating and automating temperature energy conserving controls in eighteen buildings. D/P: 4.5. SIR: 3.9.

		Virginia	
822.22	P-363	Steam and Condensate Systems, NAB Little Creek	1,080

This project upgrades the insulation on exterior steam distribution piping and installs pump stations in steam trenches subject to flooding. Also installs heat exchangers to recover waste condensate heat from buildings. D/P 6.6. SIR 2.6.

Subtotal - Inside the United States	8,300

		Outside the United States	
		Republic of the Philippines	
822.12	P-879	Facility Energy Improvements, NPWC Subic Bay	2,100

Modify seam distribution system and provide a condensate collection system; replace boilers and ancillary equipment. Replace interior and exterior light fixtures with more energy efficient fixtures. D/P 5.1. SIR 4.1.

Subtotal - Outside the United States	2,100
Total - Energy Conservation Facilities	10,430

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POLLUTION ABATEMENT

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES	4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES

5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIES	7. PROJECT NUMBER VARIOUS	8. PROJECT COST ($000) 15,110

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POLLUTION ABATEMENT FACILITIES	LS	-	-	15,110
HAZARDOUS WASTE FACILITIES (3)	LS	-	-	(4,370)
MUNICIPAL SEWER CONNECTION (3)	LS	-	-	(2,870)
SEWERAGE SYSTEM (3).	LS	-	-	(1,000)
OIL SPILL PREVENTION (8)	LS	-	-	(4,940)
INDUSTRIAL WASTE TREATMENT FACILITIES (1).	LS	-	-	(980)
WATER TREATMENT FACILITIES (2)	LS	-	-	(950)
TOTAL REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	15,110

10. DESCRIPTION OF PROPOSED CONSTRUCTION

These pollution abatement facilities will bring Naval and Marine Corps installations into compliance with federal, state, and local environmental laws. Facilities include upgrading existing structures, building new structures, and connecting into public systems. Environmental engineering evaluations were performed to determine the most advantageous method for achieving compliance with environmental laws and regulations.
(See individual project description of work.)

11. REQUIREMENT: VARIES.

PROJECT: Provides pollution abatement facilities.

REQUIREMENT: To continue the Navy's program for correcting, controlling, and preventing pollution at Naval installations, and to comply with Federal, state, and local water quality standards.

CURRENT SITUATION: Facilities at Naval installations were often constructed with inadequate controls to meet present day environmental quality standards. Industrial wastewaters and sewage are discharged untreated or inadequately treated into adjacent waterways. At present, oil and fuel handling facilities at many activities have inadequate safeguards to prevent oil spills from contaminating harbor waters.

ADDITIONAL: This program complies with current water quality standards for the projects at their locations. The pollution abatement program includes projects in the following categories:

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES		5. PROJECT NUMBER VARIOUS

11. REQUIREMENTS: (Continued)
ADDITIONAL: (Continued)
Hazardous Waste Facilities - Owners and operators of hazardous waste transfer and storage facilities are required by the Resource Conservation and Recovery Act (RCRA) of 1976 to provide facilities meeting stringent standards. This requires that all hazardous waste be properly containerized, packaged, labelled and if necessary stored in approved facilities before final disposal. These facilities may not lawfully begin or continue transfer and storage activities until an effective RCRA permit is received. There projects provide facilities which comply with extensive technical and design standards as mandated by RCRA.

Municipal Sewer Connection - It is advantageous to connect into municipal sewerage systems, when economics and feasibility dictate. This approach is the preferred method, since it relieves the Navy of the responsibility for providing adequate treatment, continuous monitoring of effluent discharge, and plant upgrading as water quality standards become more stringent. These projects provide on-base work required to effect the connection and Navy's proportionate share of the capital cost for the construction of the regional sewerage system. In some cases, the Navy is already connected to the municipality and receiving service, but the municipality has to upgrade the service. The Navy then pays for its fair share of the plant upgrade based upon flow.

Sewerage System - Some installations have sewerage systems which do not meet present day minimum water quality standards. The Clean Water Act of 1977, PL 95-217, requires every "point source" discharger to obtain a permit which specifies the allowable amount and constituents of the effluent. The permit also contains a schedule specifying the dates by which the discharger will achieve compliance. These projects provide improvements to sanitary sewage collection and treatment systems to satisfy the water quality criteria and permit requirements.

Oil Spill Prevention - Existing oil and fuel storage and transfer areas do not have necessary oil spill control structures required to prevent accidental oil discharges from reaching navigable waters. To prevent the possible discharge of oil, in any form, into navigable waters or into the tributaries of such waters, Federal regulations require facilities storing or transferring oil to prepare an Oil Spill Prevention Control and Countermeasures Plan (SPCC Plan) and to fully implement this plan as soon as possible. Steel and concrete fuel storage tanks at the Navy's bulk fuel distribution facilities are now ecologically unsatisfactory because of

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES

4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES	5. PROJECT NUMBER VARIOUS

11. REQUIREMENTS: (Continued)
ADDITIONAL: (Continued)

product leakage draining into navigable waters. This was caused when Navy converted ships to the lighter middle distillate diesel fuel which seeps through numerous faults in the walls of tanks. In addition to tanks leaking, the fuel piping systems have deteriorated beyond environmentally safe limits and must be replaced.

Industrial Waste Treatment Facilities - Industrial operations create many unique waste disposal problems. The effluent is more difficult to treat than typical sanitary sewage wastewater. Industrial wastewater effluents contain heavy metals and toxic and corrosive chemicals that are potential stream pollutants, and also have deleterious effect on municipal sewage treatment systems. Therefore, the Navy must provide pretreatment plants at many installations. Industrial facilities discharge wastes, untreated or inadequately treated, into adjacent drainage courses that empty into harbor or navigable waters in violation of water quality standards. These projects provide pretreatment facilities, and other modifications as required, to meet the discharge permit requirements.

Water Treatment Facilities - Some installations have water treatment facilities which do not fully comply with minimum drinking water quality standards as established by the Safe Drinking Water Act of 1974. These projects provide improvements to water treatment facilities to satisfy drinking water quality criteria.

Individual project descriptions follow in category code order:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		California	
179.50	P-457	Oil Spill Prevention, MCAS Camp Pendleton	540

The existing crash crew training pit has no provisions for containment and recovery of contaminated fuel and water. As a result, the facility has been closed to prevent groundwater contamination. The closure of this facility requires training to take place at distant air facilities. This project will construct two permanent crash crew training pits with appropriate environmental protection features, provide water to the site, and pumping capabilities and storage tanks for oil and wastewater storage.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

California (Continued)

871.11 P-982 Oil Spill Prevention, MCB Camp Pendleton 1,180

Oily wastes generated by military vehicle operations and maintenance are carried into the Del Mar Boat Basin by vehicle washing and storm drainage at discharge points. Existing oil-water separators connected to discharge lines are inadequate to meet effluent requirements. Additionally, a spill at any portion of the MCAS would overload the existing water pollutant removal system, resulting in the discharge of oil and hazardous substances into the South Margarito River, a navigable waterway. This project provides an interceptor sewer for oily wastewater, maintenance complex, pump station, and force main to Twin Lakes sewage treatment plant; enhanced gravity separator for pre-treatment of oily wastewater, and paving and fencing to control vehicle routes. It also includes a defueling pad with a fuel storage tank.

831.15 P-082 Industrial Waste Treatment Facility, NAS Lemoore 980

The industrial waste treatment facility (IWTF) treats industrial wastewater from plating shops, aircraft maintenance shops, and aircraft washing facilities. The IWTF wastewater effluent does not meet limitations imposed by the California Regional Water Quality Control Board under the Clean Water Act. A compliance order issued by the state requires this IWTF to be upgraded to meet standards. If not upgraded, the IWTF could be forced to stop operating, preventing certain aircraft maintenance functions from being performed. This project will upgrade the existing facility to conform to regulatory requirements.

831.41 P-215 Hazardous Waste Facility, NSY Long Beach 2,450

Hazardous waste is stored in containers at various locations. The pipe and copper shop chemical cleaning facility is closed because of inadequate ventilation and exhaust systems and inoperable equipment. This project constructs a one-story hazardous waste storage and transfer facility with fully enclosed areas, container storage, packaging rooms, and a drive

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES

4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES	5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

California (Continued)

831.41 P-215 Hazardous Waste Facility, NSY Long Beach (Continued)

through access to expedite hazardous materials pick-up and transfer. New ventilation and exhaust systems will be installed in the chemical cleaning facility, and the entire production processing facility will be replaced. Upon completion of this project, federal and state regulations for storage of hazardous waste will be met, and the chemical cleaning facility will be able to meet its mission requirements for servicing ships.

831.41 P-389 Hazardous Waste Facility, NCBC Port Hueneme 640

Hazardous waste is stored at various locations under conditions not meeting federal and state requirements. To avoid the 60-day limitation of storage in an unpermitted site, frequent and uneconomical pick-up of waste by commercial haulers is necessary. This project constructs a hazardous waste storage and transfer facility providing fully enclosed areas, container storage, repackaging room, laboratory testing capability, and stainless steel storage tanks. Upon completion of this project, federal and state requirements will be met.

811.60 P-098 Sewerage System Improvements, NSB San Diego 300

The existing sewage pump serving this activity has no provision for emergency power. During prolonged power outages, the potential exists for sewage to discharge into San Diego Bay. This project constructs an emergency electric power generator facility for the existing sewage facility.

Subtotal - California 6,090

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Florida	
411.50	P-011	Oil Spill Prevention, NSC Jacksonville	830

Eight petroleum oil storage tanks need to be relined. The existing oil-water separation facility is inoperable and inadequate. One of the drainage areas has no oil recovery facility and no containment dike exists at the rail car loading rack and pump station. This project will correct these deficiencies and bring the activity into compliance with the Clean Water Act for oil spill prevention.

832.10	P-619	Municipal Sewer Connection Improvements, NAS Key West	720

This project provides reimbursement to the City of Key West for the Navy's share of design and construction costs for work completed under the Environmental Protection Agency's grant program. The completed work includes design for and rehabilitation of the sewer system, improvements to seven pump stations, and new sewer lines.

821.09	P-087	Oil Spill Prevention, NPWC Pensacola	250

There are no containment facilities to control spills or overflows around petroleum oil storage tanks. Additionally, sulfuric acid and caustic soda are off-loaded at one location and piped to storage tanks at another. In the event of an oil or chemical spill, a significant amount of the spill would enter the storm sewer system and go into Pensacola Bay. This project will construct concrete containment aprons, fuel oil and chemical off-loading stands, and install piping to drain the basins into the industrial waste collection system.

Subtotal - Florida 1,800

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES	5. PROJECT NUMBER VARIOUS	

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Hawaii

832.10 P-145 Municipal Sewer Connection, NPMC Pearl Harbor 790

This project provides funds for payment to the City and County of Honolulu for the Navy's share of the Hart Street Sewage Pump Station and Sand Island Sewage Treatment Plant construction cost. This project does not require any new construction, since the areas served are already connected to the municipal sewer system.

Subtotal - Hawaii 790

Maine

831.16 P-120 Oil Spill Prevention, NAS Brunswick 450

The existing oil-water separators serving the fuel farm are undersized. Many fueling areas do not have secondary containment and drainage ditches are not lined. This project will correct these deficiencies and bring the facility into compliance with the Clean Water Act for oil spill prevention.

Subtotal - Maine 450

Maryland

871.25 P-975 Oil Spill Prevention, NOS Indian Head 500

The oil storage facilities affected by this project are not sufficiently equipped to prevent or contain spilled oil and are in violation of the Clean Water Act for oil spill prevention. This project constructs and installs concrete spill containment areas for oil drums, fuel tanks and tank trucks, fuel-level indicators, high level alarms, impermeable dike liners and protective boxes for the fill pipes of underground tanks. Upon completion of this project, the facility will be in compliance with the Clean Water Act for oil spill prevention.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Maryland (Continued)

831.10	P-418	Municipal Sewer Connection, NATC Patuxent River	1,360

This project provides funding for the Navy's fair share of construction costs for Calvert County's Solomons Island Wastewater Treatment Plant which is presently under construction with a scheduled completion date of April 1986. The existing wastewater treatment plant constructed in 1940 at the Solomons Island Annex of NATC Patuxent River is inadequate and in violation of its state wastewater discharge permit. The cost to upgrade the existing plant is greater than the cost to connect to the municipal sewer system. Using the county's municipal plant will allow the Solomons Island Annex to discontinue using its inadequate treatment facility.

Subtotal - Maryland 1,860

Tennessee

842.10	P-182	Water Treatment Facility, NAS Memphis	260

There are potential hazards for contamination of the potable water system creating a threat to the health and safety of those depending on the system. This project will eliminate existing and potential cross connections in the potable water system by installing backflow prevention devices, double check valves, and thorough modifications to the existing piping systems.

Subtotal - Tennessee 260

Virginia

213.70	P-232	Oil Spill Prevention, NPWC Norfolk	690

This activity does not have a facility dedicated to oil spill control operations. Equipment is presently stored and maintained in an open area subject to weather, deterioration, and vandalism. Equipment is cleaned on the ground and oil contaminants are dispersed into the soil. Response

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES

4. PROJECT TITLE
POLLUTION ABATEMENT FACILITIES

5. PROJECT NUMBER
VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Virginia (Continued)

213.70 P-232 Oil Spill Prevention, NPWC Norfolk (Continued)

crafts are launched by a ten-ton crane cruiser, which can cause delays because of unavailability. Quick responses are critical for oil spill containment. This project will provide maintenance, storage, and cleaning facilities complete with a permanent crane for launching craft.

Subtotal - Virginia 690

Washington

213.70 P-139 Sewerage System, NSB Bangor 400

There are no hose cleaning facilities at this activity. Hoses are presently cleaned on the piers using portable seawater pumps and steam generators by flushing the residual effluent into the sanitary sewer system. These makeshift procedures are potential health hazards to personnel and could also contaminate the Hood Canal. This project provides a hose washing capability for cleaning sewage and oily waste hoses connecting dockside submarines to an on-shore waste treatment facility.

831.41 P-137 Hazardous Waste Facility, NSB Bangor 1,280

There are no authorized hazardous waste storage facilities in the Bangor area. Presently, hazardous waste is picked up by Defense Logistics Agency contractors and transported to a disposal site. Time between pick-ups can be excessive. This project will construct a one-story masonry and concrete building for storing, handling, and transferring hazardous waste. This project is necessary to comply with state and federal hazardous waste regulations.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES

4. PROJECT TITLE
POLLUTION ABATEMENT FACILITIES

5. PROJECT NUMBER
VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Washington (Continued)	
832.30	P-012	Sewerage System, NSB Bangor	300

Sewage is presently collected by a failing septic tank and drain field which will eventually allow sewage to leak into Hood Canal in violation of state and federal laws requiring secondary containment. The existing drainfield cannot be reconstructed according to provisions in the Washington State Shoreline Management Act. Shipboard sewage is off-loaded to a tank truck on the dock, increasing the chance of spillage. This project will construct a sewage collection system connecting to the existing sewer system.

831.16	P-062	Oil Spill Prevention, NSC Bremerton	500

This activity has many underground drains from fuel tanks not connected to oil-water separators. Additionally, there are fuel pipes and a truck loading stand lacking dikes or containment facilities to prevent oil spills from entering Little Clam Bay in the event of a pipe or pump failure. This project will replace the underground drains, install oil-water separators, construct a dike, and install impervious lining in containment berms and a spill prevention trough.

841.51	P-090	Water Treatment Facility, NAS Whidbey Island,	690

The potable water storage tanks at this activity are in violation of federal and state laws. Seagulls drop contaminants into and small animals are frequently found in the tanks. This project provides covering over two 1.5 million gallon storage tanks. Completion of this project will insure compliance with the Safe Drinking Water Act and Washington state law.

Subtotal - Washington	3,170
Total - Pollution Abatement Facilities	15,110

UNSPECIFIED
MINOR CONSTRUCTION

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL & MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE & OUTSIDE UNITED STATES	4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT 9 12 11 N	6. CATEGORY CODE 020.00	7. PROJECT NUMBER P-086	8. PROJECT COST ($000) 15,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION	LS	-	-	15,000
TOTAL REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	15,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Unspecified minor construction projects within the concepts of Title 10 USC 2805 not otherwise authorized by law (except family housing) having an approved cost of $1,000,000 or less, including construction, alteration, or conversion of permanent or temporary facilities.

11. REQUIREMENT: VARIES.

Title 10 USC 2805 provides authority to the Secretary of Defense and the Secretaries of the Military Departments to acquire, construct, extend, alter or install permanent facilities having an approved cost of $1,000,000 or less not otherwise authorized by law. Included are those items required for which a need cannot reasonably be foreseen nor justified in time to be included in an annual military construction program, but are so urgently required that financing cannot be deferred until legislation in support of a new program is enacted.

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ARCHITECTURAL & ENGINEERING SERVICES & CONSTRUCTION DESIGN

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL & MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE & OUTSIDE UNITED STATES		4. PROJECT TITLE ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN	
5. PROGRAM ELEMENT 9 12 11 N	6. CATEGORY CODE 010.00	7. PROJECT NUMBER VARIOUS	8. PROJECT COST ($000) 143,770

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
A&E SERVICES AND CONSTRUCTION DESIGN	LS	-	-	143,770
TOTAL REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	143,770

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Funds to be utilized under Title 10 USC 2807 for architectural and engineering services and construction design in connection with military construction projects including regular program projects, unspecified minor construction, emergency construction, land appraisals, and special projects as directed. Engineering investigations, such as field surveys and foundations exploration, will be undertaken as necessary.

11. REQUIREMENT: VARIES.

All projects in a military construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. Costs for architectural and engineering services and construction design are not included in the construction project cost estimates.

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ACCESS ROADS

1. COMPONENT NAVY	FY 19 82 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION VARIOUS LOCATIONS	4. PROJECT TITLE ACCESS ROADS

5. PROGRAM ELEMENT 9 12 11 N	6. CATEGORY CODE 040.00	7. PROJECT NUMBER P-186	8. PROJECT COST ($000) 5,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ACCESS ROADS	LS	-	-	5,400
TOTAL REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	5,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Finance construction of: (1) new off-station entrances to Naval activities or new connections between Naval activities; (2) urgently needed improvements of existing highways serving Naval activities; (3) the Federal Government's share of cost of relocating highways severed by expansion or construction of new Naval facilities; (4) alterations to roads near Naval activities to accommodate special military vehicles; and (5) contractor damage to roads serving missile bases. Funds provided will be transferred to the Federal Highway Administration of the Department of Transportation which is responsible under Title 23, USC 210 for assuring proper execution of the work.

11. REQUIREMENT: VARIES.

These funds are required to provide access roads. Access road items are required for construction, improvement, replacement or relocation of public highways necessitated by construction of new or expansion of existing Naval or Marine Corps activities which result in a sudden and significant impact on the adjacent highway system. Such items are also vital for relocation of highways to satisfy airway-highway or explosive-clearance criteria. Highways located within the boundaries of a military reservation are not eligible for financing from these funds. Projects in the regular Federal Aid Primary Systems are not normally considered eligible for financing with these funds (exceptions may occur for cases such as special vehicles, weapons safety, or other extraordinary impact generated by Navy requirements).

PROJECTS $1 MILLION & UNDER

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES	4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER

5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIOUS	7. PROJECT NUMBER VARIOUS	8. PROJECT COST ($000) 40,990

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROJECTS $1 MILLION AND UNDER	LS	-	-	40,990
TOTAL REQUEST LESS BUDGET INFLATION ADJUSTMENT	-	-	-	40,990

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Specified construction projects (except family housing) having a funded cost of $1,000,000 or less. (See individual project description.)

11. REQUIREMENT: VARIES.

Projects are specifically identified below and on subsequent sheets.

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Inside the United States	
		Alaska	
610.10	P-011	Construction Management Facility Improvements, NAS Adak	500

It is necessary to provide an adequate and efficient engineering, management, and administrative facility for military and civilian personnel supporting the Navy's Resident Officer in Charge of Construction staff. Existing facilities are inefficient in space configuration and lack adequate lighting, heating, and ventilation. This project upgrades existing facilities and equipment.

Subtotal - Alaska	500

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Arizona

143.45 P-333 Armory, MCAS Yuma 640

Adequate facility conforming to current physical security criteria for the storage, issuance, and maintenance of small arms. The existing armories are located in converted warehouse spaces and do not provide storage for the projected tactical weapons nor satisfy the physical security criteria for storing, issuing, and maintaining small arms. Maintaining these two dispersed armories creates logistics, security, and personnel staffing problems. This project constructs a consolidated armory to serve the 2nd LAAM Battalion, MACS-7, and a tactical MAG. There are no facilities to handle the increases in small arms storage for the AV-8B, the Tactical Marine Air Group, and four tactical squadrons replacing the current training group.

211.21 P-403 Engine Maintenance Facility Modifications, MCAS Yuma 300

This activity will have approximately 80 AV-8B aircraft on station by FY 1990. Modifications to the engine maintenance shop are necessary for an up-to-date facility to support maintenance of the AV-8B aircraft, as well as the jet engines of other aircraft currently assigned to the station. Yuma provides intermediate maintenance support for a number of rotor and fixed-wing aircraft of both permanent and deployed squadrons. The engine repair functions are presently being performed in an efficient manner for assigned aircraft, but to accommodate programmed requirements of the AV-8B aircraft, modifications are required. This project modifies an existing engine maintenance shop to insure Yuma the capability for total support of the AV-8B aircraft to be assigned commencing in 1987.

610.10 P-017 Construction Management Facility, MCAS Yuma 450

It is necessary to provide an adequate and efficient engineering, management, and administrative facility for military and civilian personnel supporting the Navy's Resident Officer in Charge of Construction staff. Existing facilities are inefficient in space configuration; lack

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Arizona (Continued)

610.10 P-017 Construction Management Facility, MCAS Yuma (Continued)

adequate lighting, heating, and ventilation; and are scheduled for demolition. This project provides a properly configured and efficient facility.

Subtotal - Arizona 1,390

California

213.70 P-278 Waterfront Support Facility, NAS Alameda 950

An increase from one to four nuclear-powered surface ships homeported at Alameda has caused an increase in on-site overhaul and repair work undertaken by the Mare Island Naval Shipyard. Mare Island is the primary activity responsible for all reactor-plant and secondary-plant systems, excluding work accomplished by Master Ship Contractor, in the San Francisco Bay area for nuclear-powered vessels homeported at Alameda. Mare Island must provide a waterfront production facility for production staff performing selected overhaul and repair work items on various class surface ships (2-CVN and 2 CGN) reactor plants. Performing this work without a central facility as a base of operations is cumbersome and inefficient, as components routinely have to be transported to and from Mare Island for refurbishment. This project will construct a waterfront support facility at Alameda, with material laydown areas, tool storage, offices, and other space needed to perform this new expanding mission.

217.10 P-360 Electronics and Communications Maintenance Shop, MCAS Camp Pendleton 350

Adequate shop space meeting security requirements is necessary to properly maintain group communications and electronics equipment. No facility exists at this activity. Maintenance is now performed two miles away in facilities which do not include specialized power nor special security requirements. This project provides shop, parts room, and mount-out storage for non-airborne communications and electronics equipment. The present facilities adversely contribute to effectiveness for readiness.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		California (Continued)	
212.10	P-267	Missile Test Cells, NWS Concord	790

The two adequate test cells at Concord are not sufficient for maintenance and testing of the increasing SM-1 and SM-2 missile workload. Other existing test cells are too small and obsolete in design for the newer missiles. Without additional adequate test cells, the station's ability to support the readiness of the fleet will be adversely affected. This project constructs two test cells and alters the control room and the missile assembly area.

610.10	P-003	Tactical Data System Support Facility, NAVTACTINTEROPERSUPPACT Long Beach	510

Advanced electronics and computer capability is needed to test the communications links between ships and between ships and aircraft. An on-board specially equipped van tests the links and the communication computer programming for the links which is periodically altered and improved. This van is in Long Beach, but it cannot become fully operational until a support building is completed. A testing and certification progam is vital to insure there are no electronic failures in the system to provide false data or send false commands between operating ships and aircraft. A building adjacent to the van in the secured compound is needed for the staff and for maintenance shops and spare parts storage. There are no repair shops at the site, and no proper security for the types and costs of installed electronics. This project constructs a support building with administrative, training, repair and storage space, concrete supports for the van, and a fenced compound for security.

826.40	P-298	Hangar Utilities Improvements, NAS Miramar	350

As part of the Navy's expansion, two new F-14 fighter squadrons with a total of 24 aircraft are being established in FY 1987. The avionics on these aircraft must have chilled air blown over them during maintenance or they will burn up. While chilled air can be provided by electrically powered portable ground support equipment, it is noisy and adds considerable congestion to the area immediately around the aircraft. This

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

California (Continued)

826.40 P-298 Hangar Utilities Improvements, NAS Miramar (Continued)

project will provide chilled air ducts and outlets in an existing hangar, a refrigeration system for chilling the air, and electric power to operate the refrigeration system. Without this project, the squadrons will have to rely on expensive, noisy, and troublesome portable equipment for maintenance of these complex and expensive aircraft.

842.10 P-019 Fire Protection System, NSC Oakland 540

Fire protection for four main warehouses is required in the form of fire closure devices on conveyor system openings. Conveyor openings in floors and fire walls are not equipped with a means to limit the spread of fire. Reduction in the danger of smoke inhalation by sealing the fire area off is critical to life safety.

131.25 P-036 Telemetry Facilities, PMTC Point Mugu 590

Constructs associated facilities for the installation of two large telemetry antennas required to support improved data reception for such critical programs as Close-in Weapons System, Rolling Airframe Missile, Tomahawk, Harpoon, Phoenix, and other missile systems. All of these programs require telemetry reception at low altitudes close to San Nicholas Island. Under current instrumentation configurations, data from test vehicles is lost for critical portions of test operations. Installation of new antennas will extend the telemetry data coverage area and greatly enhance testing of weapons on the range. The two antennas have been obtained from the Trident program and are available for use upon completion of this support facilities project.

213.59 P-407 Abrasive Blast Facility, NCBC Port Hueneme 300

This activity supports shore and sea-floor functions, other shore activities, and the Naval Construction Force through research, development, test, and evaluation on various types of equipment. A major portion of

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

California (Continued)

213.59 P-407 Abrasive Blast Facility, NCBC Port Hueneme (Continued)

the laboratory's effort consists of fabricating and testing prototypes. Almost all of the testing effort requires the prototypes to be thoroughly cleaned (sandblasted) and coated/painted prior to testing. Abrasive blast support is currently provided by portable sandblasting equipment in an open area surrounded on three sides by unservicable steel pontoon sections stacked up as a temporary wall. As there is no control over airborne particulate matter (silica and particles of surface coating from the items being blasted), these particles are carried by the winds into various work areas in violation of OSH standards. This project will provide an abrasive blast facility.

219.10 P-044 Noise Attenuation, NPWC San Francisco 450

Personnel working in various maintenance shops are exposed to high noise levels in violation of Occupational Safety and Health (OSH) standards. Protection against the effects of noise exposure is required when sound levels exceed those allowed by OSH and Navy criteria. Continued exposure to loud, high-decibel noise is detrimental to employees health and morale, increases the occurrence of OSH-related infractions and makes the Navy vulnerable to hearing loss claims. This project provides constructon or installation of sound-asborbing building components in five different shops.

143.45 P-180 Armory, MCAS Tustin 790

Adequate and secure facility for storage of small arms of all assigned units is necessary. Small arms are now stored in a building converted for use as an armory. The facility is small and does not comply with security requirements. Because of a lack of secure armory space, some weapons needed by Tustin cannot be shipped from the Naval Weapons Supply Center at Crane, Indiana. This project constructs a new armory for small arms storage. Continued use of a facility which does not meet the minimum standards of security for storage of weapons will adversely contribute to effectiveness for readiness.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

California (Continued)

116.15	P-228	Aircraft Rinse Facility, MCAS Tustin	870

An aircraft rinse facility is necessary at an activity having aircraft subject to accelerated corrosion because of low-level, over-water operations combined with a corrosive atmosphere. Operational squadrons fly numerous training exercises over the Pacific Ocean. There is no aircraft rinse facility at this activity which is the homeport for all medium and heavy transport helicopters on the West Coast and supporting units of the Third Marine Aircraft Wing. This project provides a freshwater rinse facility for 13 squadrons of CH-46 and CH-53 helicopters, totaling 228 aircraft. Without a rinse facilitiy, station aircraft will be subjected to accelerated corrosion from continued exposure to corrosive airborne pollutants and containments. This will reduce aircraft service life and reliability and adversely impact on operational readiness.

730.84	P-055	Religious Education Building Alteration, Mare Island NS, Vallejo	470

A religious education center is required to fulfill the need for religious development and establishment of moral and cultural values of station personnel and their dependents. Religious education instruction is currently being provided on the second floor of the child care center, with available space approximately one-third that required. The building is also many blocks away from the main chapel area. This project will renovate a former enlisted mens club adjacent to the chapel to serve as a religious education center.

Subtotal - California	6,960

District of Columbia

811.59	P-024	Emergency Power Building, NAVOBSER Washington	980

The Time Service Department supports DOD and other government agencies by furnishing precise time and earth orientation data. This data is essential for the extreme accuracy needed in long-range weapons targeting and for other military requirements. The atomic clocks, related

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER	5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		District of Columbia (Continued)	
811.59	P-024	Emergency Power Building, NAVOBSER Washington (Continued)	

computers, and associated equipment form the core resources required to perform these essential tasks. The existing equipment was installed in the early 1960's and needs constant repair. Spare parts and service are no longer available for the old uninterruptible power supply which is completely unusable. In case of generator failure, the existing battery packs attached to individual equipment can only provide power for 15 minutes. This project will construct a new building to house new emergency power supply and distribution equipment needed for a more reliable power source.

Subtotal - District of Columbia			980
		Florida	
171.20	P-587	Air Combat Training Debriefing Facility, NAS Key West	930

A debriefing facility is required to support aircraft based at Key West and the airwings deployed there for training throughout the year. Air combat maneuvering training is required to improve pilot performance. The existing instrumented air combat maneuvering range, located off Cape Hatteras, is fully utilized. The Charleston range will be fully utilized upon completion. Both are too distant to be used by squadrons in central and south Florida. Key West has no facility which can serve as the debriefing facility. This project provides a debriefing facility to support training of pilots returning from dog-fight and other air combat training and, when combined with the instrumentation range to be constructed by the Air Force in Fiscal Year 1987, will provide real-time, three dimensional views of air combat operations and permit complete post-mission analysis and aircrew debriefing.

(Continued on DD 1391c)

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Florida (Continued)	
740.43	P-742	Physical Fitness Center Addition, NS Mayport	880

An additional basketball court in the physical fitness center is required to accommodate increased user demands generated by the addition of ships and five helicopter squadrons. The existing court is utilized for men's and women's basketball, volleyball leagues, roller skating, boxing events, and instructional classes. Physical fitness facilities play an important role in keeping up morale, improving retention rates, and provide a source of on-base entertainment. One basketball court is not sufficient to support the over 17,000 active duty military assigned to Mayport. Scheduling of events is difficult. Utilization is almost 100%, with over 700 patrons using this facility every day.

320.10	P-274	Underwater Equipment Laboratory, NCSC Panama City	880

This center performs gas analysis on all Ocean Simulation Facility (OSF) chamber diving operations and gas components in support of the Navy's Diving and Salvage Training Center and the Naval Experimental Diving Unit. Also provides analysis and gas standards for all diving and salvage project tests and certification of diving air and gas supplies as well as the analysis of oils, plastics, and hydrocarbons. The OSF is unique in the world, with capability to simulate depths up to 1,500 feet for RDT&E using humans. The work performed is of a hazardous nature because corrosive chemicals, high pressure gases, and toxic substances are routinely used. Existing facilities are small, inadequately configured for equipment use, and lacking in proper ventilation for handling highly toxic materials. This project will provide a laboratory for gas, solids and chemical analysis support of RDT&E on diving and salvage equipment and ocean engineerng programs.

842.10	P-602	Fire Protection System Improvements, NH Pensacola	690

The Joint Commission on Accreditation of Hospitals requires this hospital to bring its fire protection system within the limits of the Life Safety

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE
PROJECTS $1 MILLION AND UNDER

5. PROJECT NUMBER
VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Florida (Continued)	
842.10	P-602	Fire Protection System Improvements, NH Pensacola (Continued)	

Code. The hospital is threatened with loss of accreditation because it does not have smoke dampers and controls on the sprinkler and fire alarm systems. This project will install smoke dampers in the ductwork and provide other required control and alarm mechanisms.

143.78	P-100	Hazardous Materials Storage and Handling Facility, NPWC Pensacola	400

Hazardous and flammable materials needed on a full-time, continuing basis as a part of this center's maintenance operations are currently stored in areas suitable for non-hazardous material in violation of environmental and safety standards. Continued storage of hazardous materials in existing facility poses a high potential for catastrophic fire, explosion, and personnel injury and death. This project constructs a facility for hazardous material storage in compliance with NAVOSH standards.

Subtotal - Florida 3,780

Georgia

730.10	P-425	Fire Station, NSB Kings Bay	350

Adequate fire protection and rescue service are required for waterfront industrial and defensive ordnance facilities and personnel. The existing base fire station and dispensary are located at too great a distance from these facilities to meet required equipment response times. Fire damage to these critical facilities would disrupt refit schedules and jeopardize submarine at-sea availability. This project constructs a single bay fire station and ambulance garage.

Subtotal - Georgia 350

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Hawaii	
171.35	P-482	Operational Trainer Facility, MCAS Kaneohe Bay	880

Adequate aircraft systems operation training is necessary to phase in the F/A-18A weapons systems to satisfy Marine Air Group (MAG)-24 mission requirements in a timely and efficient manner. There are no similar flight or operational instruction facilities in Hawaii, and no existing facilities can be converted. This project provides an operational flight trainer facility. The absence of an operational flight trainer would result in potential impact on flight safety and the readiness of pilots who would depend solely on actual flight time to maintain flying skills.

211.89 P-540 Power Check Pad, MCAS Kaneohe Bay 500

Regulations require all aircraft engines which have been replaced or have had major maintenance be tested in the aircraft prior to flight. The existing test pad is in a runway clear zone which should be kept clear for safety reasons. It is configured in such a way that testing noises interfere with the ability of the Airport Traffic Control Tower to communicate internally and with aircraft. The test pad is not configured to allow testing of the F/A-18 aircraft arriving in January 1988, and will require resurfacing for continued use. This project will reposition the power check pad, provide an engine test area to accommodate all the aircraft stationed at Kaneohe Bay, and will include a wall to significantly reduce the testing noise. Absence of a power check pad to accommodate the F/A-18 will result in this activity not being able to test aircraft after major engine maintenance.

216.30 P-129 Mine Maintenance Facility Modifications, NM Lualualei 860

A facility is required for intermediate maintenance of submarine launched mobile mines. This mine maintenance effort requires special shop configurations, hoists, electrical, and mechanical services. No existing facilities are presently configured for this required maintenance. This project will modify an existing mine maintenance facility to provide special electrical and compressed gas services, test cells, and repair shop.

(Continued on DD 1391c)

1. COMPONENT		2. DATE
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3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Hawaii (Continued)

872.15	P-111	Security Improvements, NM Lualualei	640

Unauthorized access to the area is prevented, in part, by a double security perimeter fence, with the two fences spaced 50 feet apart. The area must be extremely flat, with no more than a six inch deviation of slope in a 100-meter distance. Installed electronic sensors cannot function optimally if the area deviates from this criteria for flatness. The area between the fences was leveled at the time of construction. However, erosion has damaged the vertical curve, or flatness, that was built into the fence area. There are depressions, holes, and large rocks. The present conditions partially negate the effectiveness of the installed electronic security system. This project provides leveling of the area between the double security fences. After the area is leveled, recurring growth of weeds and grass will be prevented by surface treatment.

730.20	P-032	Security Headquarters, Camp H. M. Smith, Oahu	500

Consolidation of the Provost Marshal operation to increase readiness, reliability, productivity, and quality of the work environment is necessary. Current operations are conducted from two separated facilities. This piecemeal approach is not conducive to effective and efficient operations, as coordination and communications are hindered by the lack of centralized activities. This project provides a new and efficient Provost Marshal Headquarters. Consolidated and adequate military police facilities are extremely important in providing law enforcement of uncompromising quality.

165.10	P-095	Dredging, NSB Pearl Harbor	690

OHIO class submarines operating in the Pacific Ocean are homeported on the West Coast in Puget Sound, where major logistics and repair services are provided. Port calls are expected at Pearl Harbor by these ships for emergencies and repairs of voyage damage that occur in the 2,400 miles from the West Coast to Hawaii. There are no wharves at the base to berth these submarines. Initial visits can be made at the shipyard, but the base must provide certain logistics, such as high pressure air.

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1. COMPONENT		2. DATE
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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Hawaii (Continued)

165.10	P-095	Dredging, NSB Pearl Harbor	

demineralized water, and certain ashore personnel to work on the submarines. There is no extra berthing capacity at the shipyard nor at the naval station. This project dredges along the face of one wharf to provide a minimum depth of 38 feet required to berth the OHIO class submarines.

Subtotal - Hawaii 4,070

Maine

171.35	P-151	Operational Trainer Facility Addition, NAS Brunswick	710

Brunswick is homeport for six P-3C anti-submarine warfare (ASW) squadrons, with nine aircraft assigned to each squadron. These sophisticated land-based aircraft rely heavily on computer tracking and elaborate coordination among other P-3's, ships, shore-based detection and communication. Tactics training for air crews is a vital element in the difficult area of detecting, tracking, and intercepting enemy submarines. A new state-of-the art computerized P-3 tactics trainer is scheduled for delivery in November 1987. This project constructs an addition to the aircrew training building to house this trainer.

213.77	P-196	Logistics Support Facility Alterations, Portsmouth NSY, Kittery	980

A secure and consolidated facility with proper material handling equipment is needed for processing the receipt, inspection, and storage of both non-controlled and controlled material and equipment to support submarines undergoing overhauls and refueling. Controlled material is stored at three separate locations on the shipyard, in spaces not designated for their present use. The main controlled material storage facility is unheated, allowing components to freeze, and has no crane for material

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Maine (Continued)

213.77 P-196 Logistics Support Facility Alterations, Portsmouth NSY, Kittery (Continued)

handling. Heavy equipment must be transported by forklifts in very confined spaces. All facilities are inadequate in space and security for controlled materials handling. This project alters a building to provide a consolidated controlled material and equipment storage facility.

Subtotal - Maine 1,690

Maryland

730.10 P-181 Fire Station, NAVACAD Annapolis 400

The Naval Academy and its surrounding facilities are serviced by two fire stations, one on each side of the Severn River. The fire station on the naval station side of the river is a 35-year old quonset structure in deteriorated condition. This project constructs a fire station with equipment bay for two engines and an ambulance and space for additional equipment. It will support six firemen and provides storage areas.

Subtotal - Maryland 400

Mississippi

610.20 P-500 Data Processing Center, NCBC Gulfport 690

The data processing center provides direct support for the administrative functions of the battalion center. Data processing functions are housed in overcrowded conditions, with improper ventilation and electrical systems. Software must be stored across the street in a warehouse and is not readily accessible. Equipment life span is shortened because of improper circulation, temperature and humidity control. This project constructs a properly-designed building large enough to house all the data processing functions.

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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Mississippi (Continued)

730.20	P-720	Security Building, NCBC Gulfport	690

Base security, the Naval Investigative Service, DOD Police, detention cells, military working dog facility, and visitor check-in are all scattered throughout the center in various inadequate facilities causing time consuming extra travel and degrading security efforts. This project provides an adequate, properly-sized facility to effectively consolidate all functions in one location.

823.10	P-217	Gas Generating Plant, NAS Meridian	590

During cold weather, adequate on-base supplies of fuel and associated equipment are necessary for continued operations. The activity uses natural gas for its primary fuel, but on an interruptible basis. When the local utility limits the gas supply to the base, during periods of extreme cold, the base must have an auxillary supply. It now has five propane tanks of 30,000 gallons each, with a heating plant capable of vaporizing 50,000 cubic feet per hour. The existing plant is in extremely poor condition, violating current codes and standards. This project will provide two 30,000-gallon propane tanks, demolish existing heating plant, and double the vaporizing capacity to meet the total base needs for a seven-day period. A seven-day supply is considered adequate, since large supplies of propane are obtainable 100 miles away. Without this project, the station's functions and mission will be curtailed in the event of severe weather disturbances.

872.15	P-247	Physical Security Improvements, NAS Meridian	250

With increasing levels of terrorism and radical activities, improved security measures are required to prevent vandalism, theft or compromise of sensitive weaponry and other valuable government property. The station's ordnance storage area does not meet physical security requirements for arms, ammunition, or explosives. Fencing, lighting, alarms, and the magazines themselves are inadequate. The perimeter fence surrounding the airfield is deteriorated, allowing livestock from

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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Mississippi (Continued)

872.15 P-247 Physical Security Improvements, NAS Meridian (Continued)

neighboring farms to stray into the area. This project will provide a chain-link fence, lighting, alarms, and magazine improvements to correct the magazine area deficiencies. As a backup measure, it will provide an interior cattle-type fence to keep animals off the runways. Without this project, the ordnance area security will continue to be deficient and the problem of stray livestock will remain, posing a severe threat to lives and property.

Subtotal - Mississippi 2,220

New Jersey

872.20 P-878 Security Tower, NWS Earle 300

Security towers are required to provide additional visual observation, detection, and assessment of perimeter sensor alarms at the special weapons compound. Three security towers are needed to provide total surveillance of the perimeter fence system and interior structures of the maintenance and storage facilities. Only two towers now exist. This project provides a third one.

Subtotal - New Jersey 300

North Carolina

116.15 P-817 Aircraft Rinse Facility, MCAS Cherry Point 500

Aircraft at this activity are subjected to highly-corrosive conditions because of low-level, over-water operations and a corrosive atmosphere. No rinse facility exists. Therefore, aircraft are rinsed either on washracks, manually on the flight line, or left unwashed. When washed, the procedure requires a large manhour expenditure depleting the work

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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

North Carolina (Continued)

116.15 P-817 Aircraft Rinse Facility, MCAS Cherry Point (Continued)

force required to do other higher priority maintenance. Currently, approximately 35 planes are washed manually every day. This project provides rinse facilities for aircraft exposed to the corrosive environment of low-level, over-water operations plus exposure to corrosive airborne pollutants and contaminants. Potentially reduced aircraft service life and reliability and stress on structural integrity of the aircraft are side affects. These aircraft are integral in meeting readiness mission standards.

171.35 P-764 Operational Trainer Facility Addition, MCAS Cherry Point 980

Adequate aircraft systems operation training is necessary to eliminate transporting Navy and Marine Corps east coast EA-6B aircrews to NAS Whidbey Island for training in an already over-utilized facility. No facilities are available at Cherry Point to house an EA-6B flight simulator scheduled for delivery in 1989. This project provides an addition to the existing simulator building to support simulator equipment and administrative spaces on the east coast for training aircrews flying the EA-6B aircraft. Absence of such facilities will impair mission readiness of aircrews.

610.71 P-305 Group Operations Facility, MCAS New River 980

Squadrons at this activity are being forced to operate under extremely close quarters. A normal size squadron requires approximately 18,000 square feet of maintenance and administrative space. One hangar houses four squadrons and provides only 4,860 square feet of administrative space per squadron. This crowded condition is caused by having to accommodate group headquarters in a hangar, using much needed maintenance and squadron administrative space. This project converts an open squad-bay bachelor enlisted quarters to administrative office space for more effective mission performance and free up vital hangar space.

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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		North Carolina (Continued)	
851.10	P-300	Road Improvements, MCAS New River	710

All traffic enters and leaves New River on one two-lane road. Inbound traffic has to stop on the roadway of a major federal highway during peak ingress times. All traffic spills into a personnel support area, creating a congested and potentially hazardous situation. A poor perimeter road condition means a longer, more time consuming route must be used for deliveries of sensitive electronic testing and communication gear to work areas and facilities of the station. An adequate road system is needed to relieve congestion, improve traffic flow at a major intersection, reduce the distance from a major industrial area to the main gate, and provide a paved roadway for movement of aviation support equipment. This project provides an additional inbound lane, constructs an additional road to the industrial area, and upgrades essential existing roads. Improved roads will alleviate congested traffic, problems in transporting electronic communications and testing gear, and provide safer travel for personnel living in the barracks and working in the industrial areas.

Subtotal - North Carolina 3,170

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Pennsylvania	
812.30	P-521	Electrical Distribution System Improvements, NSSES Philadelphia	400

Electrical substation and secondary 2.3 KV feeders to major buildings are below the capacity needed to meet existing loads, resulting in outages disrupting operations and causing lost work time. As workload and complexity of testing increases, outages in power supply could result in severe and costly damage to equipment. This project provides reliable electric power service to the principal facilities of this activity.

Subtotal - Pennsylvania 400

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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		South Carolina	
116.15	P-332	Aircraft Rinse Facility, MCAS Beaufort	740

An aircraft rinse facility is necessary to rinse aircraft of contaminates immediately after returning from low-level training exercises over the ocean. The present method of cleaning aircraft uses an existing washrack where aircraft are towed to the facility, cleaned with a high-power detergent wash, and manually scrubbed. Heavy salt and residue accumulation on aircraft increases necessary cleaning time. Training commitments and scheduling of the aircraft washing is difficult and often requires night washing. This project provides an automated freshwater system with a pressure activated treadle to operate spray nozzles as aircraft taxi over the facility. Aircraft are subject to accelerated corrosion as a result of low-level, over-water operations and exposure to corrosive airborne pollutants and contaminants have a potentially reduced service life. These aircraft are integral in meeting readiness mission standards.

136.10	P-359	Runway Approach Lighting, MCAS Beaufort	960

Because of prevailing wind conditions for Runway 04, most aircraft executing instrument approaches must circle to land. This maneuver requires aircrews to fix and maintain visual reference to the airport while circling. Bad weather conditions often reduce ceiling and visibility preventing accurate ground referencing. This project provides an approach lighting system for Runway 04 to insure runway accessibility for aircraft arriving in reduced ceiling and visibility.

214.20	P-331	Automotive Vehicle Maintenance Shop, MCAS Beaufort	640

Adequate facilities to provide scheduled maintenance on automotive vehicles, generators, and air-conditioners in a timely manner. A vehicle holding shed is necessary to keep the vehicles out of adverse weather while awaiting repairs. The present facility is inadequate in size and poorly configured to properly handle maintenance for various types of equipment. Vehicles are stored out-of-doors, subjected to the weather. Over 60 different types of automotive vehicles, 44 generator sets of different sizes, and 20 air conditioners of varying capacities are

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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		South Carolina (Continued)	
214.20	P-331	Automotive Vehicle Maintenance Shop, MCAS Beaufort (Continued)	

affected. This project provides a facility to maintain vehicles, generators, and air conditioners, a vehicle holding shed, and a sentry house. Absence of this proposed facility means maintenance operations will continue in a hampered and constricted manner, and sophisticated radar units and converters will continue to be subjected to winter weather. All of these elements combine to reduce readiness and equipment turn-around-time.

Subtotal - South Carolina 2,340

Texas

880.10	P-218	Fire Alarm System, NAS Kingsville	640

A fire alarm system and emergency and exit lighting is required for personnel safety and to minimize the loss of property from structural fires. The present system is grossly deteriorated and becomes partially or totally inoperative during power failures, storms, or non-availability of parts. Buildings do not have emergency and exit lighting in accordance with OSH requirements. This project will provide a new fire alarm system and emergency and exit lighting. Without this project, the lives of personnel and valuable property will continue to be jeopardized.

Subtotal - Texas 640

Virginia

812.30	P-908	Electrical Distribution System, FCTCLANT Dam Neck	820

An adequate and reliable primary electrical power supply line is mandatory for smooth, uninterrupted base functioning. This base, with a population

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Virginia (Continued)

812.30 P-908 Electrical Distribution System, FCTCLANT Dam Neck (Continued)

of over 7,000 people, is served by a single overhead pole line alongside a public highway. Vehicular accidents, falling trees, storms or other causes can result in a total base-wide power failure. This project will provide an alternate, underground power line from the local utility to the main substation at the base. Without this project, the base is vulnerable to power outages of uncertain duration, with the potential of severe disruption to base operations.

872.10 P-899 Security Improvements, NAVOCEANPROCFAC Dam Neck 540

Oceanographic research data is received and produced at the terminal equipment building. This data, as well as the equipment and systems used in the production of the data, necessitates this facility be physically secured. The existing physical security consists of a single chain-link fence with outrigger of three-strands of barbed-wire around the building. Lighting and surveillance equipment is limited, and there is no gate house for entry control. This project provides improved perimeter security and entry control to the terminal equipment building complex. Because of a lack of adequate security features, the possible compromise of mission related information or the disruption of the mission entirely will continue.

317.25 P-317 Shipboard Electronics Systems Evaluation Facility, NAVSEACOMBATSYSENGSTA Norfolk 980

There is an urgent and critical need to upgrade the capability at Fort Story for conducting an independent evaluation of shipboard electronic and combat systems either prior to deployment or after shipyard work to confirm adequacy of major repairs. Interaction with a calibrated external measurement system that can simulate sea battle situations will provide assurance that the systems as deployed are functioning well enough to operate in the expected threat environment. This project provides a new facility that can accommodate extensive new electronic equipment and can perform the required systems evaluations.

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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Virginia (Continued)	
610.40	P-614	Legal Services Office, NAVLEGSEROFFDET Oceana	540

A legal services office is needed to serve NAS Oceana and the Fleet Combat Training Center, Dam Neck to provide military justice, command advice, legal assistance and unit administration. The legal service office is currently collocated with other offices in the main administrative building at the air station. The detachment's workload and staffing has dramatically increased over the past three years. Conditions are severely cramped and significantly below the minimum standards established for legal facilities. There is presently no space allocated for a law library. The lack of a centrally-maintained and adequately-provisioned library substantially impedes the proper research of legal issues. Although courts-martial are frequently scheduled three or four days a week, there is no available space to serve as chambers for the presiding military judge. The present deliberation room doubles as a store room and office space for active duty training of reserve attorneys who frequently train at the detachment. There is no further space within the present facility to accommodate the needs of the legal office. This project will provide new facilities for the relocation of the Oceana detachment.

Subtotal - Virginia 2,880

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Washington	
812.30	P-026	Electrical Distribution System Improvements, TRIDENTREFITFAC Bangor	980

The Refit Industrial Facility is using more industrial plant equipment than the electrical system was designed to handle. Because of this additional equipment, shop work must be phased during peak hours to prevent a brown-out, causing disruption and delay of critical shop work. Every available circuit breaker in the industrial facility is in use. This project provides an additional 480-volt electric power line and replaces six 15 KV main fuse disconnects with circuit breakers to support the increased power requirements in the facility.

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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Washington (Continued)

841.15	P-055	Water Treatment Plant Improvement, TRIDENTREFITFAC Bangor	590

The TRIDENT Refit Facility provides industrial support for incremental overhaul and repair of TRIDENT submarines during periodic refits. A ready source of pure water is critical to the timely completion of these refits. Each refit requires an average of seven tank loads of water. Presently, this water must be transported by trailers from the water generating plant, a distance of approximately five miles round trip. These trailers are expensive to operate and greatly add to the Delta congestion problem. This project provides for the installation of purification equipment, storage tanks, and distribution system for supplying pure water at each TRIDENT submarine berth.

171.35	P-060	Flight Simulator Building Addition, NAS Whidbey Island	980

The EA-6B aircraft provides electronic jamming and other electronic disturbances to enemy communication, fire control, radar, missile homing signals and other electromagnetic emanations. Both new and expanded capabilities are being built into the new EA-6B aircraft. To provide effective and realistic training on these new capabilities, a new training device is being procured and is scheduled for delivery in December of 1987. This project constructs an addition to the existing operational trainer building to house this trainer. Without this project, the new trainer will have to be placed in storage until a facility can be made available.

Subtotal - Washington	2,550
Total - Inside the United States	34,620

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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Outside the United States

Austrailia

131.15 P-206 Emergency Cooling System, NCS Harold E. Holt, Exmouth 310

All communications traffic passes to transmitters or receivers through the terminal equipment center. To assure this continuous operation, an emergency power system has been installed. However, a cooling system is also necessary to prevent a communications shut-down or damage to the electronics equipment. This equipment is cooled by a central water chiller supporting the entire operations area and connected to the central power plant. If an outage occurs, the emergency generators at the communications center could only provide power for operations, but no chilled water to cool the equipment. This project provides an emergency stand-by cooling system for the communications center building. Ambient temperatures of 115°F in this area allow operations for only a few minutes after a cooling system failure before it becomes necessary to shut-down to save the equipment from overheating and damage.

Subtotal - Austrailia 310

Guam

123.10 P-148 Vehicle Service Center, NPWC 490

Existing 32-year old, dilapidated service center is three miles away from the center's transportation compound where most vehicles and equipment are maintained and kept. By relocating the service center to the transportation compound, needless fuel trips can be eliminated, thus saving fuel and travel time for operators. This project provides a modern, self-service fuel dispensing system for use by government-owned vehicles. Payback is about three years.

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CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Guam (Continued)

441.20	P-111	Fleet Support Warehouse Modifications, NSD	400

There are three fleet replenishment ships homeported at Guam providing supplies to operating forces in the Western Pacific and Indian Oceans. These supplies are brought to Guam via commercial ships where they are received, staged, stored, and issued to the fleet. General warehouse storage is adequate, but more dehumidified storage space is needed for certain perishable ships stores. This project modifies an existing warehouse in the waterfront area to provide dehumidified storage adjacent to the cold storage plant and pier area.

842.10	P-216	Fire Protection System, NAVCAMSWESTPAC	480

The terminal or communications center building is the control center through which incoming and outgoing message traffic must move. The building has computers and electronic communications equipment handling all of the digital or voice communications from and to the receivers and transmitters. The importance of keeping this function in continuous operation, the amount of costly computer and electronics equipment, and the flammability of materials that are used in producing the communications products make it necessary to provide an automatic fire protection system. The structural fire protection system consists of portable fire extinguishers and a carbon dioxide hose reel system, both of which require personnel within the building to detect a fire, get the proper equipment, and extinguish it. This is time consuming. Without the automatic detection and fire suppression features provided by this project, a fire in the communications center can spread before it is detected, and cause a shutdown of communications.

872.10	P-005	Security Improvements, NF	820

Oceanographic data produced at the terminal equipment building, as well as the equipment and systems utilized in the production of the data, necessitates this facility be physically secured. The growing value of this facility and the continual upgrading of its data producing assets in terms of sophistication and volume of output, makes it imperative that means be provided to protect the primary operational mission. The

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Guam (Continued)

872.10 P-005 Security Improvements, NF (Continued)

existing physical security consists of a single chain-link fence with three strands of barbed wire. Main access to the building is by gate through the security fence. Passage from the yard into the building is through a non-hardened door protected only by a cypher lock. Existing exterior lighting does not provide lighting at the security fence and the area beyond, but only serves to illuminate the building. Thus, present physical security provides virtually no warning or delay time to take defensive action or to destroy any classified material. This project provides improved physical security for the terminal equipment building.

Subtotal - Guam 2,190

Iceland

211.07 P-520 Maintenance Hangar Alterations, NAS Keflavik 350

Introduction of AWACS aircraft to Keflavik has generated the requirement for more crew support spaces. Existing administrative and operations areas within the maintenance hangar are not sized to accommodate the workload required for the two AWACS aircraft. This project will convert interior hangar areas into office space for crew briefings, operational, and administrative functions.

Subtotal - Iceland 350

Japan

141.11 P-299 Passenger Terminal, MCAS Futenma, Okinawa 830

Adequate facilities are necessary to support the air passenger and cargo operations including space for processing passengers, baggage and other cargo, short-term storage of cargo, and administrative space. The metal

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES	
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER	5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Japan (Continued)

141.11 P-299 Passenger Terminal, MCAS Futenma, Okinawa (Continued)

building being used is unsuitable in size, condition, and facilities to support the operations. Cargo is stored outside and passenger baggage is unloaded in the parking lot, creating security problems while passengers process through customs. This project constructs an air passenger and cargo terminal. Without adequate facilities, the terminal operations will continue to be hampered. Passengers will be inconvenienced. Cargo will be vulnerable to damage by the local monsoon rains, and customs will be susceptible to circumvention. Because of budget limitations, this project cannot be accomplished by the Government of Japan in a timely manner.

Subtotal - Japan 830

Puerto Rico

143.25 P-422 Underwater Demolition Team Facilities, NS Roosevelt Roads 790

Constructs a boat storage and maintenance shop and provides alterations in three buildings to support the Underwater Demolition Team (UDT). The UDT was established in May 1983 and is operating in undersized, inadequate facilities lacking the unique features required for its mission. Facilities are required for secured weapons storage, parachute maintenance and storage, small craft repair and storage, SCUBA gear, swimmer delivery vehicles, decompression gear, and administrative spaces. No facility exists to support the Swimmer Delivery Vehicle Detachment.

721.11 P-031 Bachelor Enlisted Quarters Improvements, NSGA Sabana Seca 790

Adequate housing is necessary for 231 bachelor enlisted personnel assigned to operate this remote communications and relay facility. The current berthing capacity of 231 spaces, including 36 substandard spaces requiring modernization and accommodations found by 42 personnel in the local community, is insufficient, resulting in overcrowding. This project

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)

Puerto Rico

721.11 P-031 Bachelor Enlisted Quarters Improvements, NSGA Sabana Seca (Continued)

satisfies the total modernizable space deficiency. All projected space requirement are revalidated annually by a new survey which updates planning projectives.
Grade Mix: 32 E1-E4, 2 E5-E6, 2 E7-E9. Total: 36.

Subtotal - Puerto Rico 1,580

Republic of the Philippines

842.10 P-939 Fire Protection System, NCS San Miguel 470

The terminal or communications center building is the control center through which incoming and outgoing message traffic must move. The building has computers and electronic communications equipment handling all of the digital or voice communications from and to the receivers and transmitters. The importance of keeping this function in continuous operation, the amount of costly computer and electronics equipment, and the flammability of materials that are used in producing the communications products make it necessary to provide an automatic fire protection system. The structural fire protection system consists of portable fire extinguishers and a carbon dioxide hose reel system, both of which require personnel within the building to detect a fire, get the proper equipment, and extinguish it. This is time consuming. Without the automatic detection and fire suppression features provided by this project, a fire in the communications center can spread before it is detected, and cause a shutdown of communications.

610.20 P-398 Data Processing Center Addition, NSD Subic Bay 290

Additional space is needed to house new computer equipment being purchased through FY 1987. The computer center operates in a building originally designed as a cold storage plant. This facility is too small and the

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Republic of the Philippines (Continued)	
610.20	P-398	Data Processing Center Addition, NSD Subic Bay (Continued)	

existing uninterruptible power system operating at full capacity cannot support the new equipment. This project constructs an addition to the data processing center to house computer equipment, storage, and make space for new air conditioning and uninterruptible power systems.

Subtotal - Republic of the Philippines 760

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		United Kingdom	
872.10	P-018	Perimeter Security Fence, NCS Thurso, Scotland	350

There is no acceptable perimeter security fence at this station. The main compound is in a triangularly-shaped area with a three-foot high stone wall along one side, a three-foot high wood post and wire fence along another, and nothing on the third side. Structures that require protection include supply, public works, transportation, administration, medical, transmitter, and personnel support facilities. For different reasons, each structure is a potential target for intruders. This project provides a security fence and perimeter lighting around the building compound at the transmitter site where most of the stations' buildings are clustered to reduce the probability of overt or covert entry.

Subtotal - United Kingdom 350

Total - Outside the United States 6,370

Grand Total - Project $1 Million and Under 40,990

FAMILY HOUSING

Family Housing, Navy and Marine Corps

For expenses of family housing for the Navy and Marine Corps for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operation and maintenance, including debt payment, leasing, minor construction, principal and interest charges, and insurance premiums, as authorized by law, as follows: for Construction, [$139,808,000] $230,322,000, for Operation and Maintenance, [$524,270,000] $553,520,000 for debt payment, [$17,302,000] $9,071,000, in all $792,913,000. Provided, that the amount provided for construction shall remain available until September 30, [1990] 1991 (10 U.S.C. 2824,2827-29, 2831, 2851-54, 2857, as included in Public Law 99-173; Military Construction Appropriations Act, 1986; additional authorizing legislation to be proposed).

.PK Navy Nelson COONCE 7030n

Family Housing Construction, Navy
Program and Financing (In Thousands of dollars) FISCAL YEAR 1981 REPORT 21 04 Feb 86
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TPOE 1313

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing				5,238		
01.0201 Improvements				390		
01.0301 Planning and design				51		
10.0001 Total				5,679		
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-6,010		
21.4007 Reprograming from/to prior year budgot pla	-331					
25.0001 Unobligated balance lapsing	331			331		
39.0001 Budget authority						

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.PK Navy          Helson             CODNCE                                                 7030n

                                     Family Housing Construction, Navy                         REPORT 21     04 Feb 86
                            Program and Financing (In Thousands of dollars)  FISCAL YEAR 1982                PAGE  960
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                                                   Budget Plan (amounts for FAMILY                Obligations
                                                 HOUSING actions programed)
                                                 ----------------------------------  --------------------------------------
Identification code    17-7030-0-1-051        *   1985 actual    1986 est.    1987 est.  1985 actual    1986 est.    1987 est.
---------------------------------------------------------------------------------------------------------------------------
       Program by activities:
         Direct program:
01.0101     Construction of new housing                                                   21,404         1,130
01.0201     Improvements                                                                   1,949         1,437
01.0301     Planning and design                                                              150           580
                                                  -----------  -----------  -----------  -----------  -----------  -----------
10.0001     Total                                                                         23,503         3,147

       Financing:
         Unobligated balance available, start of year:
21.4002     For completion of prior year budget plans                                    -26,649        -3,147
         Unobligated balance available, end of year:
24.4002     For completion of prior year budget plans                                      3,147
                                                  -----------  -----------  -----------  -----------  -----------  -----------
39.0001      Budget authority
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Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1983

Identification code 17-7030-0-1-051

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
		1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing				1,354	3,833	4,404
01.0201	Improvements				9,528	2,660	
01.0301	Planning and design				922	1,426	
10.0001	Total				11,804	7,919	4,404
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-24,127	-12,323	-4,404
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				12,323	4,404	
30.0001	Budget authority						

.PK Navy Nelson COONCE 7030n

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1984 REPORT 21 04 Feb 86
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TPGE 1316

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing				1,843	4,450	808
01.0201 Improvements				2,626		
01.0301 Planning and design				1,543	1,910	1,910
10.0001 Total				6,012	6,360	2,718
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-17,130	-11,118	-4,758
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				11,118	4,758	2,040
39.0001 Budget authority						

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1985 REPORT 21

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TPOE 1317

Identification code 17-7030-0-1-051		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
		1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing	99,627			82,067	8,824	4,151
01.0201	Improvements	9,000			8,500	430	
01.0301	Planning and design	8,400			438	5,000	1,700
10.0001	Total	117,027			91,065	14,254	5,851
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans					-25,962	-11,708
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				25,962	11,708	5,857
40.0001	Budget authority (Appropriation)	117,027			117,027		

.PK Navy Nelson COBNCE 7030n

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986

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Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est
Program by activities:						
Direct program:						
01.0101 Construction of new housing		98,858			73,611	11,266
01.0201 Improvements		34,020			30,600	3,420
01.0301 Planning and design		6,930			6,237	693
10.0001 Total		139,808			110,448	15,379
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans						-29,360
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans					29,360	13,981
40.0001 Budget authority (Appropriation)		139,808			139,808	

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1987

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code	17-7030-0-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing			176,742			132,338
01.0201	Improvements			51,580			47,616
01.0301	Planning and design			2,000			2,000
10.0001	Total			230,322			181,954
	Financing:						
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans						48,368
40.0001	Budget authority (Appropriation)			230,322			230,322

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Program and Financing (in Thousands of dollars) SUMMARY PAGE 972
TPGE 1320

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing	99,627	98,858	176,742	111,906	91,848	152,967
01.0201 Improvements	9,000	34,020	51,580	23,053	35,127	51,036
01.0301 Planning and design	8,400	6,930	2,000	3,104	15,153	6,303
10.0001 Total	117,027	139,808	230,322	138,063	142,128	210,306
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-73,916	-52,550	-50,230
21.4007 Reprograming from/to prior year budget pla	-331					
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				52,550	50,230	70,246
25.0001 Unobligated balance lapsing	331			331		
40.0001 Budget authority (Appropriation)	117,027	139,808	230,322	117,027	139,808	230,322
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				138,063	142,128	210,306
72.4001 Obligated balance, start of year				115,880	149,755	177,167
73.0001 Obligated balance transferred, net				-974		
74.4001 Obligated balance, end of year				-149,755	-177,167	-264,505
77.0001 Adjustments in expired accounts				429		
90.0001 Outlays				103,643	114,716	122,968

Family Housing Construction, Navy

Object Classification (in Thousands of dollars) SUMMARY

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TPGE 1321

Identification code 17-7030-0-1-051		1985 actual	1986 est.	1987 est.
	Direct obligations:			
	Other services:			
125.004	Other	7,617	8,970	11,995
132.001	Lands and structures	130,446	133,158	198,311
199.001	Total Direct obligations	138,063	142,128	210,306
999.901	Total obligations	138,063	142,128	210,306

.PK Navy Nelson COMNCE 7030n

Family Housing Construction, Navy
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1982

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TPGE 1322

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code	17-7030-6-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
10.0001	Total					-154	
	Financing:						
	Unobligated balance available, start of year:						
21.4007	Reprograming from/to prior year budget pla		-154				
23.4001	Unobligated balance reduction: Appropriation		154			154	
39.0001	Budget authority						

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.PK Navy          Nelson          COONCE                                                   7030n

                                  Family Housing Construction, Navy                          REPORT 21     04 Feb 86
                                (Reduction Pursuant to Public Law 99-177)
                            Program and Financing (in Thousands of dollars)  FISCAL YEAR 1983                PAGE  975
------------------------------------------------------------------------------------------------------- -----TPGE 1323
                                          Budget Plan (amounts for FAMILY
                                          HOUSING actions programed)                             Obligations
                                          ------------------------------------   ------------------------------------
Identification code    17-7030-6-1-051    1985 actual    1986 est     1987 est.  1985 actual    1986 est.    1987 est
---------------------------------------------------------------------------------------------------------------------
      Program by activities:
10.0001    Total
                                                                                               -388          -216
      Financing:
        Unobligated balance available, start of year:
21.4002      For completion of prior year budget plans
21.4007      Reprograming from/to prior year budget pla                                                       216
23.4001   Unobligated balance reduction: Appropriation    -604
                                                           604
        Unobligated balance available, end of year:                                            604
24.4002      For completion of prior year budget plans
                                                                                               -216
                                          ----------   ----------   ----------   ----------   ----------   ----------
39.0001      Budget authority
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.PK Navy Nelson COONCE 7030n

Family Housing Construction, Navy
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1984

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IPGE 1324

Identification code 17-7030-6-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
10.0001 Total					-312	-133
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans						233
21.4007 Reprograming from/to prior year budget pla		-545				
23.4001 Unobligated balance reduction: Appropriation		545			545	
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans					-233	-100
39.0001 Budget authority						

.PR Navy Nelson GRANCE 7030n

Family Housing Construction, Navy
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1985

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3

Identification code 17-7030-8-1-051	Budget Plan (amounts for FAMILY HOUSING actions programmed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Construction of new housing						
00.2001 Undistributed	-1,272				-698	-287
10.0001 Total	-1,272				-698	-287
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans						
21.4007 Reprograming from/to prior year budget pla	1,272	-1,272				574
23.4001 Unobligated balance reduction: Appropriation		1,272			1,272	
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans					-574	-287
39.0001 Budget authority						

Family Housing Construction, Navy
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986

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TIME 1326

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code	17-7030-6-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Construction of new housing					-5,412	-754
00.2001	Undistributed		-6,851				
10.0001	Total		-6,851			-5,412	-754
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						1,439
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					-1,439	-685
40.0001	Budget authority (Appropriation)		-6,851			-6,851	

.FK Navy Nelson CODNCE 7030n

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Family Housing Construction, Navy
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) SUMMARY

Identification code 17-7030-6-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Construction of new housing						
00.2001 Undistributed	-1,272	-6,851			-6,964	-1,390
10.0001 Total	-1,272	-6,851			-6,964	-1,390
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans						
21.4007 Reprograming from/to prior year budget pla	1,272	-2,575				2,402
23.4001 Unobligated balance reduction: Appropriation		2,575				
Unobligated balance available, end of year:					2,576	
24.4002 For completion of prior year budget plans					-2,462	-1,072
40.0001 Budget authority (Appropriation)		-6,851			-6,851	
Relation of obligations to outlays:						
71.0001 Obligations incurred, net					-6,964	-1,390
72.4001 Obligated balance, start of year						-6,442
74.4001 Obligated balance, end of year					6,442	3,264
90.0001 Outlays					-522	-4,568

Family Housing Construction, Navy
(Reduction Pursuant to Public Law 99-177)
Object Classification (In Thousands of dollars) SUMMARY

Identification code 17-7030-6-1-051	1985 actual	1986 est	1987 est.
Direct obligations:			
192.001 Undistributed		-6,964	-1,390
199.001 Total Direct obligations		-6,964	-1,390
999.901 Total obligations		-6,964	-1,390

Family Housing Operations and Debt, Navy
Program and Financing (in Thousands of dollars)

Identification code 17-7035-0-1-051		1985 actual	1986 est.	1987 est
	Program by activities:			
	Direct program:			
02.0101	Operating expenses	244,406	253,336	262,916
02.0201	Leasing	14,929	16,934	22,459
02.0301	Maintenance of real property	266,391	254,000	268,149
02.0401	Interest payments	1,683	822	206
02.0501	Mortgage insurance premiums	287	241	190
02.9101	Total direct program	527,698	525,333	553,978
03.0101	Reimbursable Program	10,833	11,874	12,534
10.0001	Total obligations	538,531	537,207	566,512
	Financing:			
	Offsetting collections from:			
11.0001	Federal funds(-)	-10,833	-11,874	-12,534
25.0001	Unobligated balance lapsing	13,119		
39.0001	Budget authority	540,816	525,333	553,978
	Budget authority:			
40.0001	Appropriation	564,048	541,572	562,591
40.4701	Portion applied to debt reduction(-)	-23,232	-16,239	-8,613
43.0001	Appropriation (adjusted)	540,816	525,333	553,978
	Relation of obligations to outlays:			
71.0001	Obligations incurred, net	527,698	525,333	553,978
72.4001	Obligated balance, start of year	359,392	321,448	351,981
73.0001	Obligated balance transferred, net	874		
74.4001	Obligated balance, end of year	-321,448	-351,981	-430,480
77.0001	Adjustments in expired accounts	4,080		
90.0001	Outlays	570,704	494,800	475,479

Family Housing Operations and Debt, Navy
Object Classification (in Thousands of dollars)

Identification code 17-7035-0-1-051		1985 actual	1986 est.	1987 est.
	Direct obligations:			
121.001	Travel and transportation of persons	1,483	1,528	1,600
123.301	Communications, utilities, and miscellaneous	161,969	175,340	182,016
	Other services:			
125.002	Purchases from industrial funds	98,441	99,858	110,901
125.003	Contracts	127,994	128,931	138,732
125.004	Other	123,279	104,107	104,579
131.001	Equipment	11,562	14,506	15,639
143.001	Interest and dividends	1,970	1,063	509
199.001	Total Direct obligations	527,698	525,333	553,976
	Reimbursable obligations:			
223.301	Communications, utilities, and miscellaneous	6,627	7,263	7,646
	Other services:			
225.004	Other	3,314	3,631	3,823
231.001	Equipment	892	980	1,065
299.001	Total Reimbursable obligations	10,833	11,874	12,534
999.901	Total obligations	538,531	537,207	566,512

Family Housing Operations and Debt, Navy
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) SUPPLEMENTAL

Identification code 17-7035-6-1-051	1985 actual	1986 est.	1987 est.
Program by activities:			
10.0001 Total obligations		-25,741	
Financing:			
40.0001 Budget authority (Appropriation)		-25,741	
Relation of obligations to outlays:			
71.0001 Obligations incurred, net		-25,741	
72.4001 Obligated balance, start of year			-10,647
74.4001 Obligated balance, end of year		10,647	2,768
90.0001 Outlays		-15,094	-7,879

Family Housing Operations and Debt, Navy
(Reduction Pursuant to Public Law 99-177)
Object Classification (in Thousands of dollars) SUPPLEMENTAL

Identification code 17-7035-0-1-051	1985 actual	1986 est.	1987 est.
Direct obligations:			
192.001 Undistributed		-25,741	
199.001 Total Direct obligations		-25,741	
999.001 Total obligations		-25,741	

FAMILY HOUSING, NAVY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 1987
FAMILY HOUSING, NAVY
($000)

FUNDING PROGRAM		FY 1987
Construction of New Housing		176,742
Construction Post Acquisition		51,580
A & E Services and Construction Design		2,000
Appropriation Request, Family Housing Construction		230,322
Operation and Maintenance		531,061
Operating Expense	90,844	
Utilities	172,071	
Maintenance	268,146	
Leasing		22,459
Domestic	5,214	
Foreign	17,245	
Debt Payment		9,071
Principal	8,613	
Interest and Other Expense	268	
Servicemen's Mortgage Insurance Premiums for Existing Coverage	190	
Appropriation Request, Family Housing Support		562,591
Total Family Housing, Navy, Appropriation Request		792,913
Reimbursable Authority Requirements		12,534
Total Family Housing, Department of Navy Program		805,447

DEPARTMENT OF NAVY
MILITARY FAMILY HOUSING
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Note: Pages 894 through 900 and pages 901 through 911 are in response to the FY 1985 Military Construction House Appropriation Committee requirement contained on page 56 of the House of Representatives Report No. 98-850

FAMILY HOUSING, NAVY

(In Thousands)

FY 1987 Program $805,447
FY 1986 Program $693,254

Purpose and Scope

This program provides for the support of the military family housing functions within the Department of Navy.

Program Summary

Authorization is requested for:

(1) The performance of certain construction summarized hereafter; and

(2) The appropriation of $792,913,000:

(a) to fund this construction; and

(b) to fund partially certain other functions already authorized in existing legislation

A summary of the funding program for Fiscal Year 1987 follows ($000):

Program	Navy	Marine Corps	DOD Total
Construction			
Appropriation Request	180,582	49,740	230,322
Reimbursements	-	--	--
Total Program	180,582	49,740	230,322
Operation, Maintenance and Leasing			
Appropriation Request	450,381	103,139	553,520
Reimbursements	+11,534	+1,000	+12,534
Total Program	461,915	104,139	566,054
Debt Payment			
Appropriation Request	9,047	24	9,071
Reimbursements	--	--	--
Total Program	9,047	24	9,071
Total			
Appropriation Request	640,010	152,903	792,913
Reimbursements	+11,534	+1,000	+12,534
Total Program	651,544	153,903	805,447

NEW CONSTRUCTION AND IMPROVEMENTS

FAMILY HOUSING, NAVY
CONSTRUCTION OF NEW HOUSING

(In Thousands)

FY 1987 Program $176,742
FY 1986 Program $ 98,858

Purpose and Scope

This program provides for land acquisition, site preparation, acquisition and construction, and initial outfitting with fixtures and integral equipment of new family housing units, mobile home spaces, and associated facilities such as roads, driveways, walks, utility systems, solar energy systems, and community and recreational facilities.

Program Summary

Authorization is requested for:

(1) Construction of 1,668 units of family housing and 300 mobile home spaces, and

(2) Appropriation of $176,742,000 to fund this construction.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, LONG BEACH, CA	4. COMMAND	5. AREA CONSTR. COST INDEX

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	1120	11091	5419				116	789		18535
b. END FY 19 91	1253	12598	5469				116	789		20225

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 350	
b. INVENTORY TOTAL AS OF 30 SEP 85	164,450
c. AUTHORIZATION NOT YET IN INVENTORY	28,690
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	22,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	17,915
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	233,955

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	300	22,900	Turnkey	

9. Future Projects:

a. Included in following program :	None
b. Major planned next three years (FY90)	200 Units

10. Mission or Major Functions: NAVSTA Long Beach provides logistic support for the operating forces of the Navy and for dependent activities and other commands as assigned. Services range from providing ships with berths, fuel and water, to providing recreation facilities for military personnel. The Pay and Personnel Administrative Support System Detachment receives, processes, and transfers personnel, both fleet and shore based. Responsible for the Housing Dept., NEX, Commissary Store, Station Housekeeping, waterfront and harbor.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION LONG BEACH, CA	4. PROJECT TITLE Family Housing

5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-015	8. PROJECT COST ($000) 22,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing:	FA	300		16,627
Buildings	SF	285,000	$56.64	(16,142)
Solar Domestic Hot Water	LS			(485)
Supporting Costs:				4,587
Site preparation				(229)
Paving and Site Improvements				(1,835)
Utilities				(2,064)
Special Construction Features				(92)
Recreation				(138)
Landscaping				(229)
Sub Total				21,214
Contingency (5%)				1,061
Total Contract Cost				22,275
Supervision, Inspection and Overhead (5.5%)				1,225
Total Request				23,500
Budget Adjustment-Revised Inflation Indices				22,900
Total Request (Rounded)				22,900

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or prefinished siding, carports, patios, exterior storage, privacy fencing and recreational facilities.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total Cost
JEM	2	950	1.18	48.00	300	16,142

Special construction feature is seismic bracing required for Zone 3. Environmental Assessment has been prepared.

11. REQUIREMENT: 3990 FA ADEQUATE: 2577 FA SUBSTANDARD: 0 FA

Project: Provide 300 adequate family housing units for enlisted personnel.

Requirement: Adequate family housing for married personnel.

(Continued on Reverse)

NAVAL STATION LONG BEACH, CALIFORNIA (Continued)

Current Situation: A current deficit of 418 adequate family housing units exists for enlisted families. The projected family housing deficit for these families is 1,413 units. This does not include personnel assigned to ships relocating to Long Beach as a result of the West Coast BB-SAG decision. These additional personnel will exacerbate an already critical housing shortage. More than 350 military members are on the waiting list for military family housing with an estimated waiting time between 9 to 15 months. The local community vacancy rate is approximately 2.5%. In Nov 1984, a Request for Proposals was released for a Section 802 rental guarantee project. No proposals were received due to the high cost of land and construction.

Impact: There will be an adverse impact on the effectiveness of mission accomplishment and career retention efforts if we do not provide additional housing.

1. DATE	2. FISCAL YEAR	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT
	FY 1987		NAVY

4. INSTALLATION AND LOCATION

Naval Station, Long Beach, California

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of FY 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	686	3622	4308	790	5165	5955
6. LESS: VOLUNTARY SEPARATIONS	111	824	935	128	1175	1303
7. EFFECTIVE HOUSING REQUIREMENTS	575	2798	3373	662	3990	4652
8. LESS: ADEQUATE HOUSING	523	2380	2903	557	2577	3134
A. UNDER MILITARY CONTROL	193	1300	1493	194	1400	1594
(1) Existing	193	1174	1367	194	1200	1394
(2) Under Construction	▨	▨	▨	0	200	200
(3) Approved	▨	▨	▨	0	0	0
(4) Leased	0	0	0	0	0	0
(5) Other	0	126	126	0	0	0
B. PRIVATE HOUSING	330	1080	1410	363	1177	1540
(1) Owned Houses	165	406	571	167	416	583
(2) Owned Trailers	2	10	12	2	10	12
(3) Occupied Rental Housing	163	664	827	163	664	827
(4) Vacant Rental Housing	▨	▨	▨	31	87	118
9. EFFECTIVE HOUSING DEFICIT	52	418	470	105	1413	1518
A. INVOLUNTARILY SEPARATED FAMILIES	18	146	164	▨	▨	▨
B. SUBSTANDARD HOUSING	6	136	142	▨	▨	▨
C. EXCESS DISTANCE HOUSING	28	136	164	▨	▨	▨
D. EXCESS COST HOUSING	0	0	0	▨	▨	▨
10. PROPOSED PROJECT	▨	▨	▨	0	300	300
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			29.3	42.6	40.7
	ALL HOUSING			84.1	72.1	73.8

12. COMMENTS ON SPECIFIED ITEMS

Line 4: Long Beach provides logistic support for the operating forces of the Navy and for dependent activities. Services range from providing ships with berthing, fuel, and water to recreational facilities. Naval Station, Long Beach, is located approximately 2 miles west of downtown Long Beach. The community population exceeds two million. Local economy consists primarily of space, missile and aircraft industries, oil refineries, private shipyards, steamship companies and manufacturing companies. Expanding port facilities attract new industries making Long Beach one of the busiest ports in the world.

(Continued on attached sheet)

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Line 5: Cols. c and f difference is due to homeporting of additional ships.

Line 8A(1): Cols. c and f difference is due to 200 Military Family housing units under construction and 35 units vacant for repairs at the time of the survey.

Line 8B(4): The data in this section are drawn from a comprehensive market analysis conducted by Williams-Kuebelbeck and Associates, Inc., in 1984. The projected vacant rental housing (community absorption) represents an optimistic interpretation of the anticipated availability of private housing.

Project Composition

300 2-bedroom JEM

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION MOFFETT FIELD, CA	4. COMMAND	5. AREA CONSTR. COST INDEX

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	899	4604	2201	347	538		68	248		8905
b. END FY 19 91	772	4116	2201	310	444		68	248		8159

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 3,098
b. INVENTORY TOTAL AS OF 30 SEP 85 103,750
c. AUTHORIZATION NOT YET IN INVENTORY 5,757
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 11,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 9,900
g. REMAINING DEFICIENCY 32,660
h. GRAND TOTAL 163,667

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	126	11,600	Turnkey	

9. Future Projects:

a. Included in following program : None
b. Major planned next three years (FY90) 100 Units

10. Mission or Major Functions: CINCPACFLTINST 5451.4F tasks NAS Moffett Field "to maintain and operate facilities and provide services and material to support operations of aviation activities and units as designated by the Chief of Naval Operations." These activities include seven anti-submarine warfare aircraft patrol squadrons, a replacement training squadron, one Naval Air Reserve squadron, one Air National Guard squadron, the Marine Barracks, the Ames Research Center Army aircraft operations, a major Air Force Satellite Tracking installation, as well as host to a total of 21 other tenant activities. As the Department of Defense's South San Francisco Bay areas only housing complex, Moffett field provides personnel support functions and facilities management for 5,300 active duty military personnel.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION MOFFETT FIELD, CA		4. PROJECT TITLE Family Housing	
5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-057	8. PROJECT COST ($000) 11,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing:	FA	126		7,420
Buildings	SF	119,700	$59.04	(7,067)
Solar Domestic Hot Water/Passive SH	LS			(353)
Supporting Costs:				3,012
Site preparation				(68)
Paving and Site Improvements				(1,165)
Utilities				(1,336)
Special Construction Features				(68)
Recreation				(102)
Landscaping				(273)
Sub Total				10,432
Contingency (5%)				522
Total Contract Cost				10,954
Supervision, Inspection and Overhead (5.5%)				602
Total Request				11,556
Total Request (Rounded)				11,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or prefinished siding, carports, patios, exterior storage, privacy fencing and recreational facilities.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total Cost
JEM	2	950	1.23	48.00	126	7,067

Special construction feature is seismic bracing required for Zone 3. An Environmental Assessment has been prepared.

11. REQUIREMENT: 1937 FA ADEQUATE: 1553 FA SUBSTANDARD: 0 FA

Project: Provide 126 adequate family housing units for enlisted personnel.

Requirement: Adequate family housing for married personnel.

(Continued on Reverse)

NAVAL AIR STATION MOFFETT FIELD, CALIFORNIA (Continued)

Current Situation: A current deficit of 438 adequate housing units exists for enlisted families. Although the deficit is projected to decrease for enlisted families by 138 over the next five years approximately 400 military members are on the waiting list for military family housing with an estimated waiting time of 16 to 20 months. The local community vacancy rate is approximately 2%. A two-bedroom apartment rents for an average of $725 a month plus utilities. An E5's housing allowance of $592.01 a month requires significant out-of-pocket expenses. Moffett Field is situated in the heart of the Silicon Valley which has had a dramatic influence on the housing market in general and the rental market in particular.

Impact: There will be an adverse impact on the effectiveness of mission accomplishment and career retention efforts if we do not provide additional housing.

1. DATE	2. FISCAL YEAR FY 1987	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT NAVY

4. INSTALLATION AND LOCATION

Naval Air Station, Moffett Field, California

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of FY 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	567	2074	2641	575	2064	2639
6. LESS: VOLUNTARY SEPARATIONS	7	128	135	7	127	134
7. EFFECTIVE HOUSING REQUIREMENTS	560	1946	2506	568	1937	2505
8. LESS: ADEQUATE HOUSING	462	1508	1970	500	1553	2053
A. UNDER MILITARY CONTROL	91	554	645	91	466	557
(1) Existing	91	459	550	91	466	557
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	0	0	0	0	0	0
(5) Other	0	95	95	0	0	0
B. PRIVATE HOUSING	371	954	1325	409	1087	1496
(1) Owned Houses	224	404	628	226	425	651
(2) Owned Trailers	2	21	23	2	21	23
(3) Occupied Rental Housing	145	529	674	145	529	674
(4) Vacant Rental Housing				36	112	148
9. EFFECTIVE HOUSING DEFICIT	98	438	536	68	300	368
A. INVOLUNTARILY SEPARATED FAMILIES	7	41	48			
B. SUBSTANDARD HOUSING	49	257	306			
C. EXCESS DISTANCE HOUSING	42	140	182			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	126	126
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			16.0	30.6	27.3
	ALL HOUSING			88.0	86.7	87.0

12. COMMENTS ON SPECIFIED ITEMS

Line 4: Naval Air Station, Moffett Field maintains and operates facilities to support the operation of aviation activities. Moffett Field provides all personnel support functions to seven anti-submarine warfare aircraft patrol squadrons and miscellaneous aircraft activities. NAS Moffett Field is in Santa Clara County, 36 miles southeast of San Francisco and 18 miles northwest of San Jose.

(Continued on attached sheet)

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Line 8A(1): Cols. a and c exclude 7 units vacant at time of survey due to change of occupancy.

Line 8B(4): The data in this section are drawn from a comprehensive market analysis conducted by the Association of Bay Area Governments in 1984. The projected vacant rental housing (community absorption) represents an optimistic interpretation of the anticipated availability of private housing.

Project Composition

126 2-bedroom JEM

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP PENDLETON, CA	4. COMMAND	5. AREA CONSTR. COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	220	2405	2149	74	3218	0	1686	22198	1471	33421
b. END FY 19 91	349	2797	2008	92	3832	0	1901	26064	2092	39135

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 186,076	
b. INVENTORY TOTAL AS OF 30 SEP 85	362,120
c. AUTHORIZATION NOT YET IN INVENTORY	116,720
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	28,990
f. PLANNED IN NEXT THREE PROGRAM YEARS	65,650
g. REMAINING DEFICIENCY	106,656
h. GRAND TOTAL	681,936

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Mobile Home Park	100	1,800	Turnkey	

9. Future Projects:
a. Included in following program (FY88) 280 Units
60 Mobile home spaces
b. Major planned next three years (FY89)(90)(91) 280, 180, 180 Units
(FY89) (90) 100 Mobile Home Spaces

10. Mission or Major Functions: Provide housing, training facilities, logistical support, and certain administrative support for Fleet Marine Force Units and other units assigned. Conduct specialized schools and other training as directed. Organize and train replacement units for deployment overseas as directed. Provide logistical support for other Marine Corps activities as directed.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP PENDLETON, CA		4. PROJECT TITLE Family Housing	
5. PROGRAM ELEMENT	6. CATEGORY CODE 713	7. PROJECT NUMBER H-875	8. PROJECT COST ($000) 1,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
U. S. MARINE CORPS MOBILE HOME PARKS				
Primary Facility				
Mobile Home Spaces	EA	100	16,500	1,650
Support Facilities				
Paving, walks, curbs and gutters				
Provision of utilities				
Site work and improvements				
Contingency (5%)				83
Total Contract Cost				1,733
Supervision, Inspection and Overhead (5.5%)				95
Total Request				1,828
Budget Adjustment-Revised inflation Indices				1,800
Total Request (Rounded)				1,800

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Supporting facilities include electric service, natural gas and/or propane, water and sanitary sewer connections provided to dedicated spaces for both single and double-wide mobile homes. Additionally, roads, curbs, gutters, street lighting, driveways, carports, patios, storage sheds and common recreational facilities will be provided. Mobile homes to be provided and maintained by individual residents.

11. Requirement: MCB, Camp Pendleton and MCAS, El Toro share a 148 space park. The proposed 100 spaces will remove 100 military families from a highly competitive housing market. The Southern California population is projected to grow at a rate that exceeds the housing market growth. All Marine mobile home owners were advised of the critical space shortage in the MCB Camp Pendleton/MCAS El Toro area.

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S/N 0102-LF-001-3910

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER, SAN FRANCISCO, CA	4. COMMAND	5. AREA CONSTR. COST INDEX

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	1734	13989	9422	122	600		100	495		26462
b. END FY 19 91	2061	20224	9433	150	880		108	672		33528

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 696	
b. INVENTORY TOTAL AS OF 30 SEP 85	104,400
c. AUTHORIZATION NOT YET IN INVENTORY	24,420
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	26,450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	63,673
g. REMAINING DEFICIENCY	37,850
h. GRAND TOTAL	256,793

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
711	Family Housing	300	26,450	Turnkey	

---

9. Future Projects:

a. Included in following program :	None
b. Major planned next three years (FY89, FY91)	280; 340

---

10. Mission or Major Functions: Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support, and all other public works logistic support incident thereto, required by the operating forces, and other activities being served by the Public Works Center.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER SAN FRANCISCO, CA	4. PROJECT TITLE Family Housing

5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-031	8. PROJECT COST ($000) 26,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing:	FA	300		17,380
Buildings	SF	285,000	$58.00	(16,553)
Solar Domestic Hot Water/Passive SH	LS			(827)
Supporting Costs:				6,901
Site preparation				(345)
Paving and Site Improvements				(2,761)
Utilities				(3,105)
Special Construction Features				(138)
Recreation				(207)
Landscaping				(345)
Sub Total				24,281
Contingency (5%)				1,214
Total Contract Cost				25,495
Supervision, Inspection and Overhead (5.5%)				1,402
Total Request				26,897
Budget Adjustment-Revised Inflation Indices				26,450
Total Request (Rounded)				26,450

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or prefinished siding, carports, patios, exterior storage, privacy fencing and recreational facilities.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total Cost
JEM	2	950	1.21	48.00	300	16,553

Special construction feature is seismic bracing required for Zone 3. An Environmental Assessment is under preparation.

11. REQUIREMENT: 5906 FA ADEQUATE: 4009 FA SUBSTANDARD: 0 FA

Project: Provide 300 adequate family housing units for enlisted personnel.

Requirement: Adequate family housing for married personnel.

(Continued on Reverse)

PWC SAN FRANCISCO, CALIFORNIA (CONTINUED)

Current Situation: A current deficit of 876 adequate family housing units exists for enlisted families. There is a projected deficit in FY 1989 of 1,897 family housing units for these families. This does not include personnel assigned to ships associated with the BB-SAG. Approximately 815 military members are on a waiting list for military family housing with an estimated waiting time of up to 14 months. The local community vacancy rate is approximately 1.3%. A two-bedroom apartment rents for approximately $650 a month plus utilities. An E3's housing allowance is $494.54 a month. As nearly 70% of the personnel assigned to San Francisco are in pay grades E6 and below, these junior enlisted families are having a particularly hard time locating adequate housing.

Impact: There will be an adverse impact on the effectiveness of mission accomplishment and career retention efforts if we do not provide additional housing.

1. DATE	2. FISCAL YEAR		3. DEPARTMENT
	FY 1987	**MILITARY FAMILY HOUSING JUSTIFICATION**	NAVY

4. INSTALLATION AND LOCATION

Public Works Center, San Francisco, California

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of FY 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	1167	5409	6576	1331	7010	8341
6. LESS: VOLUNTARY SEPARATIONS	100	852	952	114	1104	1218
7. EFFECTIVE HOUSING REQUIREMENTS	1067	4557	5624	1217	5906	7123
8. LESS: ADEQUATE HOUSING	948	3681	4629	1021	4009	5030
A. UNDER MILITARY CONTROL	614	2059	2673	447	2197	2644
(1) Existing	614	2059	2673	447	2197	2644
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	0	0	0	0	0	0
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	534	1622	2156	574	1812	2386
(1) Owned Houses	347	606	953	351	628	979
(2) Owned Trailers	4	22	26	4	22	26
(3) Occupied Rental Housing	183	994	1177	183	994	1177
(4) Vacant Rental Housing				36	168	204
9. EFFECTIVE HOUSING DEFICIT	119	876	995	196	1897	2093
A. INVOLUNTARILY SEPARATED FAMILIES	26	291	317			
B. SUBSTANDARD HOUSING	4	298	302			
C. EXCESS DISTANCE HOUSING	89	287	376			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	300	300
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			36.7	42.3	41.3
	ALL HOUSING			83.9	73.0	74.8

12. COMMENTS ON SPECIFIED ITEMS

Line 4: Naval Complex, Central Bay is comprised of the San Francisco Bay Counties of Alameda and Contra Costa on the east, bounded by Santa Clara County on the southeast; the San Francisco county line on the southwest; the Pacific Ocean on the west; and the counties of Sonoma and Solano on the north. The mission is to provide public works, utilities, housing, transportation, engineering services, and shore facilities planning support to the operating forces, dependent forces, or activities and other commands.

(Continued on attached sheet)

Line 5: Cols. c and f difference is due to the proposed homeporting of additional ships.

Line 8A(1): Cols. c and f difference is due to 171 units vacant at time of survey for whole house repairs.

Line 8A(4): The data in this section are drawn from a comprehensive market analysis conducted by the Association of Bay Area Governments in 1984. The projected vacant rental housing (community absorption) represents an optimistic interpretation of the anticipated availability of private housing.

Project Composition

300 2-bedroom JEM

1. COMPONENT		2. DATE
NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, NEW YORK, NY		

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	10	71	173							254
b. END FY 19 91	13	84	1057							1154

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 143	
b. INVENTORY TOTAL AS OF 30 SEP 85	29,510
c. AUTHORIZATION NOT YET IN INVENTORY	33,160
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	28,330
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	21,300
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	112,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
711	Family Housing	300	28,330	Turnkey	

9. Future Projects:

a. Included in following program (FY89):	None
b. Major planned next three years (FY90)	200 Units

10. Mission or Major Functions: This Naval Support Activity maintains and operates facilities to provide services and material in support of the Operating Forces of the US Navy.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION NEW YORK, NY	4. PROJECT TITLE Family Housing

5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-054	8. PROJECT COST ($000) 28,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing:	FA	300		19,778
Buildings	SF	310,000	$58.59	(18,153)
Passive Solar SH & DHW	LS			(1,625)
Supporting Costs:				6,200
Site preparation				(1,900)
Paving and Site Improvements				(1,800)
Utilities				(2,400)
Special Construction Features				(300)
Landscaping				(200)
Sub Total				25,978
Contingency (5%)				1,299
Total Contract Cost				27,277
Supervision, Inspection and Overhead (5.5%)				1,500
Total Request				28,777
Budget Adjustment-Revised inflation Indices				28,330
Total Request (Rounded)				28,330

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing unit; wood frame and masonry, two car garage, patios, exterior storage, privacy fencing and representational entertainment areas.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total Cost
JEM	2	950	1.22	48.00	175	9,736
SEM	3	1200	1.22	48.00	100	7,027
CGO	2	950	1.22	48.00	25	1,390
					300	18,153

Special construction feature is demolition of existing structures. An Environmental Assessment is under preparation.

11. REQUIREMENT: 2116 FA ADEQUATE: 631 FA SUBSTANDARD: 0 FA

Project: Provide 300 adequate family housing units for enlisted personnel.

Requirement: Adequate family housing for married personnel.

(Continued on Reverse)

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

NAVAL STATION NEW YORK, NEW YORK (Continued)

Current Situation: A current deficit of 123 adequate family housing units exists for enlisted families. The projected housing deficit for these families is 1,485 units. This dramatic increase to the deficit will be brought about by the personnel assigned to ships relocating to Staten Island as a result of the BB-SAG decision. These additional personnel will exacerbate an already critical housing shortage.

Impact: The New York housing market is particularly expensive and saturated. The additional Navy families accompanying the BB-SAG will have an extremely limited housing market if we do not augment the private sector. There will be an adverse impact on the effectiveness of mission accomplishment and career retention efforts if we do not provide additional housing.

1. DATE	2. FISCAL YEAR	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT
	FY 1987		NAVY

4. INSTALLATION AND LOCATION

Naval Station, New York, New York

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of FY 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	182	817	999	356	2385	2741
6. LESS: VOLUNTARY SEPARATIONS	6	92	98	12	269	281
7. EFFECTIVE HOUSING REQUIREMENTS	176	725	901	344	2116	2460
8. LESS: ADEQUATE HOUSING	134	602	736	178	631	809
A. UNDER MILITARY CONTROL	99	431	530	139	443	582
(1) Existing	99	411	510	111	355	466
(2) Under Construction	▨	▨	▨	0	0	0
(3) Approved	▨	▨	▨	28	88	116
(4) Leased	0	0	0	0	0	0
(5) Other	0	20	20	0	0	0
B. PRIVATE HOUSING	35	171	206	39	188	227
(1) Owned Houses	15	63	78	17	70	87
(2) Owned Trailers	0	8	8	0	8	8
(3) Occupied Rental Housing	20	100	120	20	100	120
(4) Vacant Rental Housing	▨	▨	▨	2	10	12
9. EFFECTIVE HOUSING DEFICIT	42	123	165	166	1485	1651
A. INVOLUNTARILY SEPARATED FAMILIES	8	22	30	▨	▨	▨
B. SUBSTANDARD HOUSING	7	45	52	▨	▨	▨
C. EXCESS DISTANCE HOUSING	27	56	83	▨	▨	▨
D. EXCESS COST HOUSING	0	0	0	▨	▨	▨
10. PROPOSED PROJECT	▨	▨	▨	0	300	300
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			40.4	35.1	35.9
	ALL HOUSING			51.7	43.9	45.1

12. COMMENTS ON SPECIFIED ITEMS

Line 4: Naval Station, New York is located on the northeast shore of the City of New York. Its current mission is to provide personnel support for crews while their ships are undergoing overhaul in private shipyards in the New York area. Beginning in 1988, NS New York will be homeport to a battleship surface action group (BB-SAG).

(Continued on attached sheet)

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Line 5: Cols. c and f difference is due to the homeporting of the Battleship - Surface Action Group (BB-SAG) to the Stapleton area of Staten Island.

Line 8A (1): Cols. a and f differences due to units vacant at time of survey and the exclusion of Army assets currently occupied by Navy personnel (cols d through f).

Line 8A (3): Cols. d and f include family housing units at Fort Wadsworth which will be acquired by the Navy.

Line 8B(4): Cols. d through f reflect anticipated growth in the community assets.

Project Composition

Fort Wadsworth:
300 Enlisted Units
200 2-bedroom JEM
100 3-bedroom SEM
300

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR GROUND COMBAT CENTER, TWENTYNINE PALMS, CA	4. COMMAND	5. AREA CONSTR. COST INDEX

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	125	1277	457	25	2662	0	363	4186	390	9485
b. END FY 19 91	194	1246	555	30	2431	0	514	6261	387	11618

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 595,590	
b. INVENTORY TOTAL AS OF 30 SEP 85	124,840
c. AUTHORIZATION NOT YET IN INVENTORY	55,950
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	35,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	44,544
g. REMAINING DEFICIENCY	1,462
h. GRAND TOTAL	262,096

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	392	33,900	Turnkey	
711	Mobile Home Park	75	1,400	Turnkey	

9. Future Projects:

a. Included in following program None
b. Major planned next three years (FY89) 40 Mobile Home Spaces
(FY89)(90)(91) 100, 200, 154 Units

10. Mission or Major Functions: Provide housing, training facilities, logistical, and administrative support for Fleet Marine Force units and other units assigned. Operate the Communication-Electronics School, and administer and conduct the air-ground training program for combined training of Fleet Marine Force units, both active and reserve.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR GROUND COMBAT CENTER, TWENTYNINE PALMS, CA	4. PROJECT TITLE Family Housing

5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-845	8. PROJECT COST ($000) 33,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing:	FA	392		22,910
Buildings	SF	378,800	$57.60	(21,819)
Solar Domestic Hot Water/Passive SH	LS			(1,091)
Supporting Costs:				9,047
Site preparation				(452)
Paving and Site Improvements				(3,620)
Utilities				(4,071)
Special Construction Features				(281)
Recreation				(171)
Landscaping				(452)
Sub Total				31,957
Contingency (5%)				1,598
Total Contract Cost				33,555
Supervision, Inspection and Overhead (5.5%)				1,845
Total Request				35,400
Budget Adjustment-Revised Inflation Indices				33,900
Total Request (Rounded)				33,900

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or prefinished siding, carports, patios, exterior storage, privacy fencing and recreational facilities.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total Cost
JEM	2	950	1.20	48.00	296	16,197
SEM	2	950	1.20	48.00	40	2,189
SEM	3	1350	1.20	48.00	16	1,244
CGO	2	950	1.20	48.00	40	2,189
					392	21,819

Special construction feature is seismic bracing required for Zone 3 and flash flood diversion berm.
An Environmental Assessment is under preparation.

11. REQUIREMENT: 3182 FA ADEQUATE: 2216 FA SUBSTANDARD: 0 FA

Project: Provide 300 adequate family housing units for military personnel.
(Continued on Reverse)

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3910

MARINE CORPS AIR GROUND COMBAT CENTER, TWENTYNINE PALMS, CA (Continued)

Requirement: Adequate family housing for married personnel.

Current Situation: A current deficit of 197 adequate family housing units exists for military families. There is a projected deficit in FY 1989 of 966 family housing units for these families. The remoteness of this activity severely limits the availability of additional community assets.

Impact: There will be an adverse impact on the effectiveness of mission accomplishment and career retention efforts if we do not provide additional housing.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS AIR GROUND COMBAT CENTER, TWENTYNINE PALMS, CA	4. PROJECT TITLE Family Housing

5. PROGRAM ELEMENT	6. CATEGORY CODE 713	7. PROJECT NUMBER H-846	8. PROJECT COST ($000) 1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
U. S. MARINE CORPS MOBILE HOME PARKS				
Primary Facility				
Mobile Home Spaces	EA	75	17,200	1,290
Support Facilities				
Paving, walks, curbs and gutters				
Provision of utilities				
Site work and improvements				
Contingency (5%)				65
Total Contract Cost				1,355
Supervision, Inspection and Overhead (5.5%)				75
Total Request				1,430
Budget Adjustment-Revised inflation Indices				1,400
Total Request (Rounded)				1,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Supporting facilities include electric service, natural gas and/or propane, water and sanitary sewer connections provided to dedicated spaces for both single and double-wide mobile homes. Additionally, roads, curbs, gutters, street lighting, driveways, carports, patios, storage sheds and common recreational facilities will be provided. Mobile homes to be provided and maintained by individual residents.

11. Requirement: The 75 spaces at MCAGCC, Twentynine Palms will provide a new mobile home park. Community support is marginal for meeting the minimum requirements. The remoteness of this area cannot be exaggerated as it is many miles from any place with an appreciable population. The landscape in the desert is sparse and water sewage systems are virtually nonexistent, so many potential rental units are remote and without running water. THe mobile home park will provide opportunities needed for adequate housing.

1. DATE	2. FISCAL YEAR		3. DEPARTMENT
	FY 1987	**MILITARY FAMILY HOUSING JUSTIFICAT'ON**	NAVY

4. INSTALLATION AND LOCATION

Marine Corps Air Ground Combat Center, Twentynine Palms, California

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of FY 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	352	1936	2288	576	2860	3436
6. LESS: VOLUNTARY SEPARATIONS	18	152	170	29	225	254
7. EFFECTIVE HOUSING REQUIREMENTS	334	1784	2118	547	2635	3182
8. LESS: ADEQUATE HOUSING	319	1602	1921	348	1868	2216
A. UNDER MILITARY CONTROL	181	853	1034	185	1034	1219
(1) Existing	181	853	1034	185	934	1119
(2) Under Construction	▨	▨	▨	0	0	0
(3) Approved	▨	▨	▨	0	100	100
(4) Leased	0	0	0	0	0	0
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	138	749	887	163	834	997
(1) Owned Houses	100	349	449	110	384	494
(2) Owned Trailers	3	34	37	3	34	37
(3) Occupied Rental Housing	35	366	401	35	366	401
(4) Vacant Rental Housing	▨	▨	▨	15	50	65
9. EFFECTIVE HOUSING DEFICIT	15	182	197	199	767	966
A. INVOLUNTARILY SEPARATED FAMILIES	4	33	37	▨	▨	▨
B. SUBSTANDARD HOUSING	9	128	137	▨	▨	▨
C. EXCESS DISTANCE HOUSING	2	21	23	▨	▨	▨
D. EXCESS COST HOUSING	0	0	0	▨	▨	▨
10. PROPOSED PROJECT	▨	▨	▨	40	352	392
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			41.1	52.6	50.6
	ALL HOUSING			70.9	84.3	82.0

12. COMMENTS ON SPECIFIED ITEMS

Line 4: Twentynine Palms is located at the southern tip of the great Mojave Desert (San Bernardino County) in California, 150 miles due east of Los Angeles. The climate is hot and dry which allows military equipment to be stored in the open on a year round basis. Terrain is desert surrounded by mountains with little or no vegetation. Area population is estimated to be 20,000. Because of the harsh environment, DON has received approval from OASD (I) to construct 100% of the requirement.
(Continued on attached sheet)

Line 5: Cols. c and f difference due to approved increases to force levels.

Line 8A(1): Cols. c and f difference due to 82 units vacant at time of survey due to major repair and 3 units vacant due to change of occupancy.

Line 8B(4): Cols. d through f reflect anticipated growth in the community assets.

Project Composition

40	Officer Units	40	2-bedroom CGO
352	Enlisted Units	40	2-bedroom SEM
392		16	3-bedroom SEM
		296	2-bedroom JEM
		392	

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS DEVELOPMENT AND EDUCATION COMMAND, QUANTICO, VIRGINIA	4. COMMAND	5. AREA CONSTR. COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	839	3131	1852	1334	137	0	245	1021	385	8944
b. END FY 19 91	855	3241	1654	1158	2389	5	136	718	385	10541

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	60,484
b. INVENTORY TOTAL AS OF 30 SEP 85	153,010
c. AUTHORIZATION NOT YET IN INVENTORY	35,315
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	790
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	144
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	475
h. GRAND TOTAL	189,734

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Mobile Home Park	50	790	Design/Bid	

9. Future Projects:

a. Included in following program (FY89) 10 Mobile Home Spaces
b. Major planned next three years None

10. Mission or Major Functions: Develop, in coordination with agencies and representatives of other services, the doctrine, tactics, techniques and equipment employed by landing forces in amphibious operations; support Marine Corps requirements for long-range planning by identifying required study areas and by initiating study of such areas, in coordination with other government and civilian contract study agencies; educate officers in the principles, tactics and techniques of warfare, with particular emphasis on the landing force aspects of amphibious operations in air-ground combat forces of the Marine Corps; educate staff non-commissioned officers with the requisite education and leadership training in preparation of assuming greater responsibilities; exercise academic supervision over all Marine Corps formal schools (less recruit training); and other functions as directed by the Commandant of the Marine Corps.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS DEVELOPMENT AND EDUCATION COMMAND, QUANTICO, VA		4. PROJECT TITLE Family Housing	
5. PROGRAM ELEMENT	6. CATEGORY CODE 713	7. PROJECT NUMBER H-847	8. PROJECT COST ($000) 790

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
U. S. MARINE CORPS MOBILE HOME PARKS				
Primary Facility				
Mobile Home Spaces	EA	50	14,400	720
Support Facilities				
Paving, walks, curbs and gutters				
Provision of utilities				
Site work and improvements				
Contingency (5%)				36
Total Contract Cost				756
Supervision, Inspection and Overhead (5.5%)				42
Total Request				798
Budget Adjustment-Revised inflation Indices				790
Total Request (Rounded)				790

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Supporting facilities include electric service, natural gas and/or propane, water and sanitary sewer connections provided to dedicated spaces for both single and double-wide mobile homes. Additionally, roads, curbs, gutters, street lighting, driveways, carports, patios, storage sheds and common recreational facilities will be provided. Mobile homes to be provided and maintained by individual residents.

11. Requirement: Quantico has an existing 31 space mobile home park constructed on hilly, heavily wooded terrain for 35-40 foot homes. The 31 spaces are now inadequate and unsafe for new modern mobile homes. The 50 spaces proposed for MCDEC, Quantico will replace the 31 unit park in a new location and provide 19 additional spaces that the private sector cannot provide. All marines with mobile homes were advised of the critical space limitations.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC	4. COMMAND	5. AREA CONSTR. COST INDEX

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	245	2366	2438	76	3583	0	2228	27111	1512	39559
b. END FY 1991	269	2386	2523	197	3308	0	1987	28790	1552	41012

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 87,380	
b. INVENTORY TOTAL AS OF 30 SEP 85	488,140
c. AUTHORIZATION NOT YET IN INVENTORY	91,940
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	930
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,020
g. REMAINING DEFICIENCY	5,123
h. GRAND TOTAL	587,153

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Mobile Home Park	75	930	Design/Bid	

9. Future Projects:
   a. Included in following program: (FY88) None
   b. Major planned next three years (FY89) (FY90) 50; 40 Mobile Home Spaces

10. Mission or Major Functions: Provide housing, training facilities, logistics support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools for other training as directed.

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC	4. PROJECT TITLE Family Housing

5. PROGRAM ELEMENT	6. CATEGORY CODE 713	7. PROJECT NUMBER H-876	8. PROJECT COST ($000) 930

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
U. S. MARINE CORPS MOBILE HOME PARKS				
Primary Facility				
Mobile Home Spaces	EA	75	11,333	850
Support Facilities				
Paving, walks, curbs and gutters				
Provision of utilities				
Site work and improvements				
Contingency (5%)				42
Total Contract Cost				892
Supervision, Inspection and Overhead (5.5%)				49
Total Request				941
Budget Adjustment-Revised inflation Indices				930
Total Request (Rounded)				930

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct mobile home park communities at various Marine Corps Bases. Supporting facilities include electric service, natural gas and/or propane, water and sanitary sewer connections provided to dedicated spaces for both single and double-wide mobile homes. Additionally, roads, curbs, gutters, street lighting, driveways, carports, patios, storage sheds and common recreational facilities will be provided. Mobile homes to be provided and maintained by individual residents.

11. Requirement: The 75 spaces proposed for MCB, Camp Lejeune will increase their existing park to 187 spaces. MCB, Camp Lejeune previously had a 225 space park that was replaced by a new 112 space park in 1975. The new park has 99.66 percent occupancy rate. The additional 75 spaces will increase the present park to near the original capacity.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, KEFLAVIK, ICELAND	4. COMMAND	5. AREA CONSTR. COST INDEX

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	290	2451	81							2822
b. END FY 19 91	286	2518	81							2885

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 23,341
b. INVENTORY TOTAL AS OF 30 SEP 85 285,850
c. AUTHORIZATION NOT YET IN INVENTORY 114,790
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 48,642
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. GRAND TOTAL 449,282

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	250	48,642	Turnkey	

9. Future Projects:

a. Included in following program (FY88): None
b. Major planned next three years None

10. Mission or Major Functions: U.S. Naval Station, Keflavik provides administration and logistic support to thirty-two tenant commands in Iceland. These include Commander Iceland Defense Force, Commander Fleet Air Keflavik, Commander Air Forces Iceland, U.S. Naval Facility 57th Fighter Interceptor Squadron; and the 960th AWACS.

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL STATION
KEFLAVIK, ICELAND

4. PROJECT TITLE
Family Housing

5. PROGRAM ELEMENT

6. CATEGORY CODE
711

7. PROJECT NUMBER
H-310

8. PROJECT COST ($000)
48,642

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing:	FA	250	$122,832	30,708
Buildings	SF	255,900	$120	(30,708)
Supporting Costs:				13,773
Site preparation				(1,700)
Paving and Site Improvements				(1,900)
Utilities				(3,450)
Special Construction Features				(3,000)
Community Center				(950)
Communications (Telephone & CATV)				(750)
Landscaping				(1,450)
Family Housing Office				(573)
Sub Total				44,481
Contingency (5%)				2,224
Total Contract Cost				46,705
Supervision, Inspection and Overhead (5.5%)				2,569
Total Request				49,274
Budget Adjustment-Revised Inflation Indices				48,642
Total Request				48,642

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three story family housing units; concrete structure with stucco finish, carports, patios, exterior storage, privacy fencing and recreational facilities.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total Cost
JEM	2	950	2.50	48.00	186	21,204
JEM	3	1200	2.50	48.00	48	6,912
JEM	4	1350	2.50	48.00	16	2,592
					250	30,708

Special construction feature is the additional requirement placed on the Icelandic Prime Contractor (IPC) to utilize U.S. manufactured concrete casting plant or equipment. Under the Status of Forces requirement, IPC has exclusive construction responsibility and would have used local site casting procedures. Other special costs relate to the requirement to remove bedrock for some building foundations. An Environmental Assessment is not required.

(Continued on Reverse)

☆ U.S. Government Printing Office: 1984—

NAVAL STATION KEFLAVIK, ICELAND (Continued)

II. REQUIREMENT: 811 FA ADEQUATE: 558 FA SUBSTANDARD: 0 FA

Project: Provide 250 adequate family housing units for enlisted personnel.

Requirement: Adequate family housing for married enlisted personnel.

Current Situation: A current deficit of 101 housing units exists for enlisted families. A deficit of 253 family housing units is projected for these families. Under the terms of the 1974 Memorandum of Understanding between the Government of Iceland and the United States Government, all military sponsored families and unaccompanied personnel will reside on the Navy installation. No community support is therefore available. The family housing survey conducted as of 30 September 1984 indicated that 59 enlisted families were separated from their military sponsor due to lack of housing.

Impact If Not Provided: There will be an adverse impact on the effectiveness of mission accomplishment and career retention efforts if we do not provide additional housing.

1. DATE

2. FISCAL YEAR FY 1987

MILITARY FAMILY HOUSING JUSTIFICATION

3. DEPARTMENT NAVY

4. INSTALLATION AND LOCATION

Naval Station, Keflavik, Iceland

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of FY 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	114	708	822	127	881	1008
6. LESS: VOLUNTARY SEPARATIONS	8	59	67	8	70	78
7. EFFECTIVE HOUSING REQUIREMENTS	106	649	755	119	811	930
8. LESS: ADEQUATE HOUSING	103	548	651	101	559	659
A. UNDER MILITARY CONTROL	103	548	651	101	558	659
(1) Existing	103	548	651	101	558	659
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	0	0	0	0	0	0
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	0	0	0	0	0	0
(1) Owned Houses	0	0	0	0	0	0
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	0	0	0	0	0	0
(4) Vacant Rental Housing				0	0	0
9. EFFECTIVE HOUSING DEFICIT	3	101	104	18	253	271
A. INVOLUNTARILY SEPARATED FAMILIES	3	101	104			
B. SUBSTANDARD HOUSING	0	0	0			
C. EXCESS DISTANCE HOUSING	0	0	0			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	250	250
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			84.9	99.6	97.7
	ALL HOUSING			84.9	99.6	97.7

12. COMMENTS ON SPECIFIED ITEMS

Line 4: U.S. Naval Station, Keflavik provides administrative and logistic support to 32 tenant commands in Iceland. These include Commander Iceland Defense Force, Commander Fleet Air Keflavik, Commander Air Forces Iceland, U.S. Naval Facility 57th Fighter Interceptor Squadron; and the 960th AWACS. The Navy Station is located 27 miles WSW of Reykjavik (85,000 population) and one mile West of Keflavik (6,500 population) on a coastal lava plain. The economy is based on the fishing industry. Reykjavik is the center for all import-export traffic for Iceland. Under the terms of the 1974 Memorandum of Understanding between the Government of Iceland and the U.S. Government, all military sponsored families and unaccompanied personnel will reside on the Navy Installation. No community support is therefore available.
(Continued on attached sheet)

Line 5: Cols. a and c include 18 officer equivalent civilians. Cols. d and f include 17 officer equivalent civilians. Total difference due to CNO approved force level increases.

Line 8A(1): Col f reflects units designated for Navy occupancy. Air Force personnel occupy 256 of the total 915 units. Cols. c and f difference due to 8 vacant units at the time of survey.

Project Composition

186	2-bedroom JEM
48	3-bedroom JEM
16	4-bedroom JEM
250	

FAMILY HOUSING, NAVY
POST ACQUISITION CONSTRUCTION

(In Thousands)

FY 1987 Program $51,580
FY 1986 Program $34,020

Purpose and Scope

This program provides for alterations, additions, expansions, or extensions to existing public quarters which will materially increase the useful life and livability of the units improved at a minimum of capital investment; includes energy conservation investments which meet energy savings criteria.

Program Summary

Authorization is requested for:

(1) Various improvements to existing family housing; and

(2) Appropriation of $51,580,000 to fund these improvements.

1. COMPONENT NAVY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS,
VARLOCS INSIDE AND OUTSIDE UNITED STATES

4. PROJECT TITLE

FAMILY HOUSING IMPROVEMENTS

5. PROGRAM ELEMENT

6. CATEGORY CODE 711

7. PROJECT NUMBER VARIES

8. PROJECT COST ($000) $51,580

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING - ALTERATIONS, ADDITIONS AND REHABILITATIONS	L/S	—	—	51,580
TOTAL REQUEST				51,580

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Alterations and modernization of kitchens and baths; improvements to heating and cooling systems; provision of storage and utility rooms; interior rearrangements; provision of additional bathrooms, closets and family room; provision of carports, patios, privacy screening and storage; provision of ceiling and wall insulation; provision of storm windows and doors; and provision of landscaping and play areas.

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11. REQUIREMENT: The improvements will provide safe and decent living conditions for housing occupants, are considered significant in personnel retention and are consistent with good property management techniques.

IMPACT IF NOT PROVIDED: Units and supporting systems will continue to be used "as is" with increasing obsolescence and unnecessary high-energy use.

1. COMPONENT		2. DATE
NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE
FAMILY HOUSING IMPROVEMENTS

5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
ARIZONA	
MCAS Yuma Removal of existing inadequate incandescent light fixtures and installation of new coordinated light fixtures of proper lumination in the kitchens and baths of 60 units that are 20-25 years old.	48.0
MCAS Yuma Construct six-foot high wood slat fences and patio covers to create privacy areas for 1,129 individual family quarters. These housing areas, consisting of high density multiplex units, have outside living areas which offer no privacy from adjoining quarters and passing traffic.	1,436.3
CALIFORNIA	
MCLB Barstow Construct a warehouse for storage and provide for a central issue area for self help items for family housing occupants.	53.0
MCLB Barstow Install concrete patio and cover with a sunshade for 282 units.	1,095.0
NWS Concord Whole site improvements to include shelving in washer/dryer area, install vanities in bathrooms, enclose water heaters, install attic fans, extend patios and enclose carports, 100 units.	580.0
MCAS El Toro Install fire wall between units in the attics of 33 housing units. This project is required to upgrade the units to fire code requirements.	92.0

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
CALIFORNIA (Cont'd)	
MCAS El Toro Construct concrete retaining wall, topped with a six foot high chain link fence. Construct a concrete draining channel behind and away from the retaining wall to remove rain run-off water. This project is required to prevent erosion of the hillsides behind the housing area and to protect the housing property and occupants from mud and rock slides.	535.9
MCAS El Toro For purposes of sound attenuation, install compressor, coil and thermostat to convert existing heating units to air conditioning in 553 family housing units. The units are located within the 70 to 75 CNEL lines. Noise levels are very high when flight operations are in progress.	1,845.0
MCAS El Toro Install security locks and lighting for porches of 300 units. Housing entrances are not adequately lighted and windows and patio sliding doors throughout the units do not have security locks.	119.2
MCAS El Toro Construct a ten foot high concrete block wall with associated plantings for safety and sound attenuation. The project is required to protect the housing occupants from noise, fumes and view of vehicular traffic from Moulton Parkway which passes the north edge of the family housing area.	233.2
MCAS El Toro Install off-street parking for 28 units. There is insufficient off-street parking which causes a safety hazard and also hampers street maintenance, trash pickup and other services.	51.7

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
CALIFORNIA (Cont'd)	
MCB Camp Pendleton Install rain gutters and downspouts for 1,176 units. This project is required to provide for adequate rain runoff. Currently the roof runoff saturates porches/patios and entryways. Additionally, the runoff causes erosion and deterioration to the housing units.	1,415.0
MCB Camp Pendleton Convert carports to garages for 20 units. This project is required to prevent deterioration of vehicles from constant exposure to rain, fog and constant dampness from the ocean environment. Additionally, this project will provide for storage areas for possessions which now are exposed to the elements.	60.0
MCB Camp Pendleton Provide addition to one unit including waterproof concrete slab, electrical wiring, receptacles and switches, exterior and interior painting, insulated glass windows and doors, site preparation, relocation of gas lines and extension of retaining wall.	26.0
NS Mare Island Wholehouse improvements to include addition of family room, modernize kitchen, install dishwasher and garbage disposal; install new light fixtures and outlets; construct carports and tot lots with chain link fence; install landscaping, sprinkler system and walkway lights, 100 units. (See separate DD 1391)	2,700.0
PWC San Diego Install night setback thermostats, insulate attics and floors, install fluorescent light fixtures and provide sound attenuation, 44 units.	750.0

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE
FAMILY HOUSING IMPROVEMENTS

5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
CALIFORNIA (Cont'd)	
PWC San Diego Insulate attics and floors. Install night setback thermostats, and replace incandescent lights with fluorescent lights, 8 units.	37.4
PWC San Diego Insulate attics and floors. Install night setback thermostats, and replace incandescent lights with fluorescent lights, 812 units.	1,304.5
PWC San Francisco Construct recreation area, north housing, NAS Alameda.	223.8
MCAGCC Twentynine Palms Repair eroded areas, add soil conditioner, plant ground cover. Extend tree line to form windbreak and provide irrigation from the non-potable water system. Connect irrigation system from existing windbreak to the non-potable water system by providing pumps and strainers at the sewage oxidation ponds. Disconnect the existing irrigation from the domestic water system. This project will conserve the domestic water supply and provide additional protection for the houses during sand storms.	337.0
MCAGCC Twentynine Palms Extend the electrical circuit and install an aerial disconnect switch on the existing electrical distribution line. This project upgrades the current electrical distribution system and extends the system to form a loop required for family housing. Currently, emergency repair to the distribution system requires power to be turned off to the entire base.	146.0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
CALIFORNIA (Cont'd)	
MCAGCC Twentynine Palms Replace incandescent lamps with energy efficient fluorescent lamps. Correct safety deficiencies by replacing standard receptacle in bathrooms and exterior receptacles with ground fault interrupters to 300 units.	390.0
MCAGCC Twentynine Palms Install a water transmission pipeline from an existing pipeline to the Shadow Mountain reservoir. This project increases the available water supply for Family Housing areas in the southern section of the base by increasing the flow rate to the water reservoir that supplies the distribution system to family housing and for firefighting.	141.3
FLORIDA	
NS Mayport Provide and install dishwashers, 676 units.	442.6
GEORGIA	
MCLB Albany Improve sun porch entertainment area of the GOQ. Enlarge sun porch by removing existing walls, pour floor slab, extend roof, install HVAC, and paint interior.	21.3
MCLB Albany Install heat pumps in 16 family housing units. Provide exterior storage buildings for 11 family housing units. The storage space is needed to provide adequate storage for lawn mowers and other outside equipment.	23.7

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
MAINE	
NAS Brunswick Provide dishwashers, garbage disposals, entry vestibules and exterior electrical outlets, Brunswick Gardens, 44 units. (See separate DD 1391)	360.0
MARYLAND	
USNA Annapolis Insulate attics, 41 units.	82.0
MISSISSIPPI	
NAS Meridian Improvements to include removal of sheetrock walls and install insulation for soundproofing and protection of water pipes, remove ceilings and provide soundproofing between floors; replace sheetrock and re-finish; replace incandescent fixtures with fluorescent fixtures in kitchens and bathrooms, 200 units.	777.7
NCBC Gulfport Remove existing carport and drive and construct new garage with connecting breezeway; install new windows on south wall. Work is for one installation command quarters. (See separate DD 1391)	28.7
MISSOURI	
MCFC Kansas City Install exterior aluminum window shutters on 241 housing units. This project is required to improve the exterior appearance of the housing structural design.	106.6

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS	5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE

INSIDE THE UNITED STATES

MISSOURI (Cont'd)

MCFC Kansas City 17.3
Modify internal arrangement of family housing office by converting existing storage room to a conference and administrative office area. The additional space will provide room to review technical drawings and specifications on construction projects and real property. The project will require installing heating, air conditioning, lighting, windows, doors, and minor alterations to existing floor space to make it suitable for office space.

MCFC Kansas City 73.9
Replace existing 20A breaker with a 20A ground fault breaker on circuit to wall outlet receptacles in both bathrooms, kitchens, carport/garage and patio areas of 241 housing units. This project is required to upgrade the circuits to current code requirements.

NEVADA

NAS Fallon 758.0
Wholehouse improvements to include kitchen modernization, installation of gable vents and cooler vent covers; construct patio covers and trash enclosures, enclose carports, install additional electrical wiring and lighting fixtures. Provide additional landscaping, 44 units. (See separate DD 1391)

NORTH CAROLINA

MCAS Cherry Point 21.7
Install storm doors to 92 units. This project will make the units more energy efficient.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3915

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE
FAMILY HOUSING IMPROVEMENTS

5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
NORTH CAROLINA (Cont'd)	
MCAS Cherry Point This project will construct a landscape divider between the housing area and the community service complex. The housing units join the community services complex which includes the Commissary, Exchange and other related buildings. The landscape provides a visual barrier as well as a safety barrier.	32.6
MCB Camp Lejeune Provide master meters for measurement of family housing energy and water consumption. This project will provide electrical and water meters on the distribution system in family housing areas.	146.4
MCB Camp Lejeune Construct off-street parking for 699 units. Work includes excavation and paving. This project will provide a safe area adjacent to quarters for vehicles. Additionally, the parking area will be less vulnerable to vandalism.	270.0
MCB Camp Lejeune Install patio, fence, and lighting for one GOQ unit.	3.3
PENNSYLVANIA	
NADC Warminster Wholehouse improvements to include installation of attic fans, add central air conditioning to the forced warm air system, provide ground fault interrupter receptacles, provide 150 amp electrical service; stucco existing concrete block exterior walls with an insulating type stucco, 6 units.	129.4

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS	5. PROJECT NUMBER	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
RHODE ISLAND	
NETC Newport Wholehouse improvements to include enlarging and modernizing kitchen; insulation in exterior walls; new patios, privacy fencing, exterior storage sheds, off street parking and landscaping; vapor barrier on crawl space floor, insulate water pipes in crawl space; install doorbell system, Anchorage housing, 186 units. (Phase 1 of 2) (See separate DD 1391)	6,829.9
SOUTH CAROLINA	
NH Beaufort Improvements to include addition of utility and storage room; convert screened porch to den and provide air conditioning; close through door to bathroom from kitchen; relocate washer and dryer hook-ups; add cabinets and countertops, replace sink and install dishwasher; install water flow restrictors; replace hall bathroom fixtures and accessories; install sound insulation in party walls; undercut doors, 52 units.	889.6
TENNESSEE	
NAS Memphis Provide central air conditioning to 10 units	37.4
VIRGINIA	
MCDEC Quantico , Construct access and neighborhood sidewalks serving 349 units. This project will serve four different housing areas. There are currently no sidewalks. Pedestrians have to walk in the streets with high traffic volume. This project is required for pedestrian safety.	525.8
MCDEC Quantico Correct subsurface and surface drainage problems and stabilize failing slopes. Additionally, this project will correct soil erosion problems, alleviate soggy conditions and prevent further damage to family housing units and yards.	117.0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
OUTSIDE THE UNITED STATES	
JAPAN	
MCAS Iwakuni This project encompasses five smaller projects that include: (1) installation of patio gate for 168 units which will enhance the useability and safety of the existing patio; (2) install area yard fences for 168 units which will provide safety for young children from the nearby streets; the units were constructed without private outdoor areas; (3) install patio covers for 168 units which are enclosed but not covered which precludes usage of the patio during inclement weather; (4) construct bicycle racks capable of accommodating 48 bicycles at the midrise apartments; the proposed construction of the apartments does not include bicycle racks which are essential to prevent vandalism; (5) install area fence and landscape of tree line at Monzen Housing which is required to provide a barrier between the family housing area and the play area.	535.6
MARIANAS ISLAND	
PWC Guam Convert a duplex unit to a single installation command unit for the Naval Station Commanding Officer. Work includes re-arranging partitions, electrical rewiring and replacement of lighting fixtures, re-routing air conditioning ducts, replacement of windows, toilet fixtures, kitchen cabinets and floor tiles, installation of masonry walls, sliding doors, windows, and refurbishing of miscellaneous carpentry work. (See separate DD 1391)	64.7

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
OUTSIDE THE UNITED STATES	
MARIANAS ISLAND (Cont'd)	
PWC Guam Wholehouse improvements and energy retrofits. Including: construction of carports, driveways, exterior storage facilities, trash enclosures, construct half baths, construct patios and privacy walls; install roofs for exterior A/C equipment; install gutter and downspout systems, and install dishwashers. Provide heat reclaiming units, wall insulation and solar film on glass windows for NAS Agana, 109 units. (See separate DD 1391)	7,655.0
PWC Guam Wholehouse improvements and energy retrofits to NAS Agana commanding officer quarters. Including: provide new roof, screen enclosure, electrical lights and outlets on existing paved patio; roof over air conditioning unit; provide gutters, downspouts and splash blocks along entrance area; partition between living and dining rooms, ceiling in living and dining rooms, and painting of improvement work. Provide heat reclaiming unit, wall insulation and solar film on windows. (See separate DD 1391)	39.0
PWC Guam Wholehouse improvements and energy retrofits. Including: construct carports, driveways, exterior storage facilities and trash enclosures; construct half baths, patios, and privacy walls. Install gutter and downspout systems. Install dishwashers and counter between kitchen and dining room. Provide heat reclaiming units, wall insulation, solar film on all windows. This work will be accomplished on 100 units (Phase 1 of 2). (See separate DD 1391)	6,777.0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE

FAMILY HOUSING IMPROVEMENTS

5. PROJECT NUMBER

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
OUTSIDE THE UNITED STATES	
PUERTO RICO	
NS Roosevelt Roads Whole site improvements to include hurricane protection, new vanities in bathrooms; provide fire escape knock-out windows, hard-wired smoke detectors, install curtain rods, install central air conditioning and plastic screens; construct new concrete sidewalks on one side of street and provide new play areas with equipment, flag quarters 1 FDR and 225 Cat "C" units. (Phase 1 of 2).	6,869.0
PHILIPPINES	
PWC Subic Bay Construct additional half bath, provide exhaust fans, modify plumbing and electrical installations as necessary. Paint new work to match existing. Work is for 852 units.	3,020.0
PWC Subic Bay Install air conditioning heat recovery units to heat domestic hot water. Disconnect electric resistance water heaters. Work is for 100 units, East Binictican housing.	1,304.5
TOTAL	$51,580.0

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL STATION, MARE ISLAND VALLEJO, CA	4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS, TO 100 TOWNHOUSES

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-8-83 HC-1-84	8. PROJECT COST ($000) $5,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	FA	100	27,000	2,700
CONCURRENT REPAIRS AND MAINTENANCE	FA	100	25,000	2,500
	FA	100	52,000	5,200
TOTAL REQUEST				5,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses all improvements and repairs necessary to 100 townhouses. Improvement work includes: add family room to increase habitability; remodel kitchens and install dishwashers; provide carports and tot lots; provide landscaping and improve drainage. Concurrent repairs include: replacing built-up roofing, exterior doors and locksets; repair damage by plumbing leaks, replace kitchen cabinets, sinks, garbage disposals, privacy fencing and storage sheds.

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11. REQUIREMENT: These houses need additional living space. The kitchens need modernization. These units need carports, improved drainage and landscaping. The roofs need replacing as do the exterior doors. New components for the kitchen are necessary to be done concurrently with renovation work.

CURRENT SITUATION: Townhouses are currently under the square footage allowance set by the DoD Construction Criteria Manual (4270.1M). These units do not have family rooms for childrens' use during winter months. The kitchens are small with original cabinets and lack amenities found in other units. The interior bathrooms do not have exhaust fans or windows and as a result, maintenance costs are incurred due to molding, paint peeling and related problems. There is no covered parking area available

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION MARE ISLAND, VALLEJO, CA		
4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS, 100 TOWNHOUSES		5. PROJECT NUMBER

11. (Cont'd)
for occupants. Yard drainage is poor and water stands ankle deep in many areas during heavy rains. There is little or no play equipment, and play area is open.

IMPACT IF NOT PROVIDED: High maintenance costs will continue as will occupant dissatisfaction due to lack of amenities available compared with other on-base units.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AIR STATION BRUNSWICK, ME	4. PROJECT TITLE IMPROVEMENTS TO 44 UNITS BRUNSWICK GARDENS

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-6-84	8. PROJECT COST ($000) $1,274.6

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	FA	44	8,182	360.0
CONCURRENT REPAIRS AND MAINTENANCE	FA	44	20,786	914.6
	FA	44	28,968	1,274.6
TOTAL REQUEST				1,274.6

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project includes installation of dishwashers, garbage disposals, entry vestibules and exterior GFI electrical outlets. Repairs and maintenance to be done concurrently include kitchen and bathroom rehabilitation, repair electrical system, insulate attic access panels, repair interior finishes, doors, windows and garages. The project requires line item authorization because the cost estimate exceeds the statutory limit as adjusted by the DoD area construction cost index (0.93).

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11. REQUIREMENT: The kitchens do not have dishwasher and garbage disposers. Entry vestibules will add to occupant comfort and save energy. Electrical outlets are needed at exterior of building for occupant use. The kitchens and bathrooms are old and need new components. Uninsulated attic access panels lose heat. Interior doors, windows and garages need repairs to function properly and reduce costs for recurring maintenance problems.

CURRENT SITUATION: The kitchens do not have dishwashers and garbage disposers. Cold air infiltrates units with each entry and exit. Occupants cannot pursue hobbies and auto repair without exterior electrical outlets. Kitchens and bathrooms currently have a drab appearance. Doors, windows, garages and the electrical system are a maintenance problem. Heat is lost through attic access panels in winter.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, BRUNSWICK, ME		
4. PROJECT TITLE IMPROVEMENTS TO 44 UNITS, BRUNSWICK GARDENS		5. PROJECT NUMBER

11. (Cont'd)

IMPACT IF NOT PROVIDED: Major kitchen rehabilitation, done as repair, will not provide a modern kitchen. Occupants will not be as comfortable during winter months and will continue to waste energy and will not have electrical power at exterior of units. Inconvenience to occupants will continue due to improperly functioning housing components.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, GULFPORT, MS	4. PROJECT TITLE IMPROVEMENTS TO INSTALLATION COMMANDER QUARTERS

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-3-83(R1)	8. PROJECT COST ($000) $28.7

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	FA	1	28,700	28.7
	FA	1	28,700	28.7
TOTAL REQUEST				28.7

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses improvements to the installation commander's quarters: remove existing carport and drive, construct new garage with connecting breezeway. Line item authorization is needed since the estimated cost is greater than the statutory limit on improvements ($30,000) as adjusted by the current DoD area construction cost index (0.87).

11. REQUIREMENT: The current interior configuration of this unit is inadequate in meeting social obligations involving groups in excess of 20 people. The new configuration will increase utility of front section of living room. Relocation of existing carport will eliminate flooding problems.

CURRENT SITUATION: Existing configuration makes it extremely difficult to accommodate gatherings of more than 20 people and most social events include groups larger than this. During rainy weather, surface water from the roof and street collects in the existing carport.

IMPACT IF NOT PROVIDED: At a major shore activity, the commanding officer has social obligations that involve entertaining large groups. Failure to implement this project will continue to restrict social gatherings. The carport will remain a collecting area for rain water, threatening integrity of the structure.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION FALLON, NEVADA			4. PROJECT TITLE WHOLE HOUSE IMPROVEMENTS, 44 UNITS	
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-3/4-84	8. PROJECT COST ($000) $1,868.5	

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	FA	44	17,227	758.0
CONCURRENT REPAIRS AND MAINTENANCE	FA	44	25,239	1,110.5
	FA	44	42,466	1,868.5
TOTAL REQUEST				1,868.5

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses total redesign of kitchens; additional bedroom closets; provision of new front porches and new storage room; provision of acoustical ceilings, insulation and solar shading, and night set-back thermostats; provision of water heater, dishwasher, and washer and dryer hookups; upgrading the electrical, mechanical, and electrical distribution systems. Concurrent maintenance and repair work includes: replace windows, all doors, kitchen cabinets, countertops, sinks, range hoods, lavatories and exhaust fans. Replace flooring, electrical switches, receptacles, and light fixtures. Replace roofs, furnaces, and sliding glass doors.

11. REQUIREMENT: The units when constructed were built without all of the amenities which are now provided due either to deletion from the new construction specifications because of funds shortage or based on outmoded critiera. The preponderence of the maintenance and repair work is required to replace housing components which have reached the end of their economic life due to age or action of the extreme temperature variations and winds in the desert climate. Required repair by replacement will significantly reduce future years maintenance requirements. The existing units have no dishwashers, trash enclosures and patio covers. Electrical outlets in the kitchen are insufficient, as

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION FALLON, NEVADA		
4. PROJECT TITLE WHOLE HOUSE IMPROVEMENTS, 44 UNITS		5. PROJECT NUMBER

11. (continued)
well as lighting and cabinet space. Additional landscaping in the common housing areas as well as trees and shrubbery in the front and rear yards will diminish the desert sparseness of the area. Landscaping improvement will also diminish the effects of the high winds and blowing sand. Gable vents are needed to allow escape of moisture which builds up in the attic scape due to extreme daily temperature variation, however covers for evaporative cooler vents are required to minimize heat loss during winter.

CURRENT SITUATION: These 44 units were built as part of the FY69 Turnkey Program. There are 17 officer single family and duplex units and 27 enlisted duplex, triplex, and fourplex units. The harsh desert weather contributes to the deterioration of exterior housing components. The elevation at 4000 feet is a factor in the extreme summer temperature variations between 90 degrees during the day with 40 degrees at night. Winter temperatures are extremely cold. Blowing desert sand contributes to the harshness of the weather. Proposed improvement will provide for amenities which were lacking when the units were built or improve design deficiencies. Concurrent required maintenance and repair work will extend the economic life of the unit and reduce future years maintenance costs and occupant complaints.

IMPACT IF NOT PROVIDED: The deterioration of these housing units will accelerate, maintenance costs will rise, and occupants will increasingly find these units undesirable.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL EDUCATION & TRAINING CENTER, NEWPORT, RI	4. PROJECT TITLE WHOLE HOUSE IMPROVEMENTS, ANCHORAGE HOUSING, PHASE I

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000) $12,500.0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	FA	186	36,720	6,829.9
CONCURRENT REPAIRS AND MAINTENANCE	FA	186	30,484	5,670.1
			67,204	12,500.0
TOTAL REQUEST				12,500.0

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses the first of two phases of wholehouse improvements and repairs to the Anchorage housing complex. Scope includes enlarge and modernize kitchens; add wall insulation; new patios, privacy fencing, storage sheds and landscaping; vapor barrier on crawl space floor, insulate water piping; door bell system and off-street parking. Wholehouse repairs include repairs to grounds, pavement, concrete walks; sandblast wood shingles; replace shutters, concrete stairs; repair concrete foundations; replace electrical wiring, interior walls and subflooring; replace heating systems; replace roofs, repoint brick chimneys, repair gutters and downspouts, and replace gable end louvres.

11. REQUIREMENT: These inactive units and site require total renovation to be suitable for reoccupancy. Interior fixtures and finishes need complete rehabilitation. Kitchens need enlargement as does interior storage. Exterior of units need work including stairs, roof, foundation, chimneys, shutters, gutters and downspouts and gable end louvres. Units need exterior storage. Units need improved parking. Energy retrofits are necessary. The site needs comprehensive re-landscaping.

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL EDUCATION & TRAINING CENTER, NEWPORT, RI		
4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS, ANCHORAGE HOUSING, PHASE I		5. PROJECT NUMBER

11. (Cont'd)
CURRENT SITUATION: The Anchorage Housing site has been inactivated and vacant since the early 1970s, and the units and site have suffered considerable deterioration since that time. Personnel increases at Newport are creating housing deficits that can be addressed more economically by rehabilitating this existing Navy-owned housing than by new construction.

IMPACT IF NOT PROVIDED: The buildings will remain uninhabitable and unsafe. Nearly four hundred Navy families in the Newport area will be unsuitably housed.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION U.S. NAVY PUBLIC WORKS CENTER, GUAM	4. PROJECT TITLE CONVERSION OF 25/27 HIBISCUS AVE. TO CO NAVSTA QUARTERS

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-105-84	8. PROJECT COST ($000) $64.7

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	FA	1	64,700	64.7
	FA	1	64,700	64.7
TOTAL REQUEST			-	64.7

10. DESCRIPTION OF PROPOSED CONSTRUCTION
This project encompasses alteration work to convert a duplex at Naval Station Guam to one installation command quarters. Major work includes rearranging partitions, electrical rewiring and replacement of lighting fixtures, rerouting air conditioning ducts, replacement of windows, toilet fixtures, kitchen cabinets, floor tiles, installation of masonry wall, sliding doors, windows, and refurbishing of miscellaneous carpentry work. Provide carport and exterior storage.

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11. REQUIREMENT: CINCPACFLT has determined that the commanding officer must reside aboard the station for operational reasons. Conversion of two units is necessary because there are no existing units aboard the Naval Station appropriate for use as command quarters.

CURRENT SITUATION: The commanding officer of Naval Station Guam currently occupies designated quarters approximately eight (8) miles from the Naval Station he commands. The units to be converted are currently occupied by lower grade officers. Existing road side parking is unacceptably far from the unit, posing special problems when it rains. Automobiles are currently unprotected from the salt laden environment due to the absence of carports. Exterior storage space is limited. Dining room area is small and unsuitable. Outdated electrical system needs updating to current design criteria.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION U.S. NAVY PUBLIC WORKS CENTER, GUAM		
4. PROJECT TITLE CONVERSION OF 25/27 HIBISCUS AVE. TO CO NAVSTA QUARTERS		5. PROJECT NUMBER

11. (Cont'd)

IMPACT IF NOT PROVIDED: The geographical separation of the CO quarters from the Naval Station is a constraint to efficient management and detrimental in projecting the proper "command presence ashore" desirable at an activity the size of Naval Station Guam. The remote residence of the commanding officer compromises his immediate availability during urgent or emergency situations.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION U.S NAVY PUBLIC WORKS CENTER, GUAM	4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS AND ENERGY RETROFITS TO 109 UNITS

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-101-84 HC-38-84	8. PROJECT COST ($000) $10,360.0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS AND ENERGY RETROFITS	FA	109	70,229	7,655
CONCURRENT REPAIRS AND MAINTENANCE	FA	109	24,817	2,705
	FA	109	95,046	10,360
TOTAL REQUEST			-	10,360

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project includes wholehouse improvements, energy retrofits and repairs to 109 units. The improvement work includes construction of carports, driveways, exterior storage facilities, patios, privacy walls and trash enclosures; construct half baths; install roofs for exterior air conditioning equipment; install gutter and downspout systems, and install dishwashers. The energy portion of this work includes providing heat reclaiming units to heat domestic hot water, wall insulation and solar film on windows. Concurrent repairs include replacing floor tiles, kitchen cabinets, garbage disposals, water heaters, bathtubs, and lavatories, as well as repairs to the plumbing and electrical systems of these units.

11. REQUIREMENT: Harsh, wet weather in Guam necessitates carports and driveways. Storage is limited for these units. Three bedroom units need an additional half bath to meet DOD construction criteria. Heavy rains damage A/C units without roof protectors. Water pools around these houses because of lack of gutters and downspouts. Units need privacy and security from adjacent units. Dishwashers constitute a modern day amenity that these units lack which other units at Guam have. The humid climate here necessitates heavy air conditioning use making energy conservation an important concern. Age and the harsh environment have taken their toll on the floors, plumbing, kitchen cabinets and electrical components.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION U.S. NAVY PUBLIC WORKS CENTER, GUAM		
4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS AND ENERGY RETROFITS TO 109 UNITS		5. PROJECT NUMBER

11. (Cont'd)
CURRENT SITUATION: These houses are approximately twenty-five years old and consist of single and duplex units occupied by officers. They lack modern day amenities and are in need of repairs. Lack of exterior storage, carports, and privacy creates aesthetic and security problems. A single bathroom for three bedroom units causes inconvenience for those families. Harsh weather contributes to rapid deterioration of A/C equipment and other unprotected equipment. Lack of dishwashers creates inequity with other units and is a source of occupant dissatisfaction. Solar heat gain is substantial, contributing to air conditioning load and electrical consumption. Plumbing and electrical systems are becoming repair problems and pose a safety hazard if not corrected. Kitchen cabinets and floors have deteriorated and considerably detract from the interior attractiveness of the units.

IMPACT IF NOT PROVIDED: Failure to provide carports and driveways will result in continuation of street parking, vehicles exposed to the harsh climate, and inconvenience to the occupants during rainy weather. Continued exposure of the A/C equipment will rapidly corrode the equipment and cause unit to be less efficient. Rain water will continue to leave stain marks on walls. Failure to provide these improvements will result in a continuation of existing deficiencies which will have an adverse effect on the morale of occupants. Failure to reduce electrical consumption will continue unnecessarily high energy costs and use. Failure to accomplish needed concurrent repairs will result in accelerating deterioration, frequent failures, high maintenance costs, and increased occupant dissatisfaction.

1. COMPONENT
NAVY

FY 19⁸⁷ MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
U.S NAVY PUBLIC WORKS
CENTER, GUAM

4. PROJECT TITLE
IMPROVEMENTS AND ENERGY
RETROFITS TO 100 UNITS, NAS AGANA

5. PROGRAM ELEMENT
IMPROVEMENTS

6. CATEGORY CODE
711

7. PROJECT NUMBER
HC-99-84
HC-36-84

8. PROJECT COST ($000)
$9,517.0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS AND ENERGY RETROFITS	FA	100	67,770	6,777
CONCURRENT REPAIRS AND MAINTENANCE	FA	100	27,400	2,740
	FA	100	95,170	9,517
TOTAL REQUEST				9,517

10. DESCRIPTION OF PROPOSED CONSTRUCTION
This project includes wholehouse improvements, energy retrofits, and repairs including: construct carports, driveways, exterior storage facilities, trash enclosures, half baths, patios and privacy walls. Install gutters and downspouts, dishwashers, and counters between kitchen and dining rooms. Install heat reclaiming units, wall insulation, and solar film on windows. Repairs include: replace flooring, kitchen cabinets, garbage disposals, water heaters, bathtubs and lavatories. Repair utilities, interior walls, stairways and doors. These 100 units constitute the first of two planned phases of the upgrade of this housing site.

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11. REQUIREMENT: Harsh, wet weather in Guam necessitates carports and driveways. Storage is limited for these units. Half baths are required to meet DOD construction criteria. Units need privacy and security from adjacent units. Dishwashers will provide consistency with other units here. The humid climate here necessitates heavy air conditioning use making energy conservation an important concern. Many dwelling unit components have deteriorated through years of wear and tear and action of the elements in this tropical climate.

CURRENT SITUATION: These houses consist primarily of duplexes which are over thirty years old and occupied by enlisted personnel and company

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION U.S. NAVY PUBLIC WORKS CENTER, GUAM		
4. PROJECT TITLE IMPROVEMENTS AND ENERGY RETROFITS TO 100 UNITS, NAS AGANA		5. PROJECT NUMBER

11. (Cont'd)
grade officers. They lack modern day amenities and are in need of improvements and repairs. Lack of exterior storage, carports, and privacy creates aesthetic and security problems. Two bedroom, two story units, and three bedroom units only have one bathroom causing inconvenience. Air conditioning units are unprotected from the weather and suffer premature deterioration and high maintenance cost. These units do not have dishwashers. They are poorly insulated, subject to substantial heat gain through windows and do not take advantage of waste energy from air conditioning units. Plumbing and electrical systems are maintenance problems and pose a safety hazard. Kitchen cabinets and floors have deteriorated and heavily detract from the interior attractiveness of these units.

IMPACT IF NOT PROVIDED: Failure to provide carports and driveways will result in continuation of street parking, vehicles exposed to the harsh climate, and inconvenience to the occupants during rainy weather. Continued exposure of the A/C equipment will rapidly corrode the equipment and cause unit to be less efficient. Rain water will continue to leave stain marks on walls. Failure to reduce electrical consumption will continue unnecessarily high energy costs and consumption. Failure to accomplish needed repairs and replacements of wornout dwelling components will accelerate the units' deterioration, increase maintenance costs, and degrade the morale and quality of life of the military families who live in these units.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION U.S NAVY PUBLIC WORKS CENTER, GUAM	4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS AND ENERGY RETROFITS TO ONE UNIT, NAS AGANA

5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-102-84 HC-39-84	8. PROJECT COST ($000) $58.6

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS AND ENERGY RETROFITS	FA	1	39,000	39.0
CONCURRENT REPAIRS AND MAINTENANCE	FA	1	19,600	19.6
	FA	1	58,600	58.6
TOTAL REQUEST				58.6

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project incorporates improvements, energy retrofits and repairs to one commanding officer's unit, including: provides roof, screen enclosure, electrical lights and outlets for existing paved patio; roof over air conditioning unit, gutters, downspouts and splash blocks along entrance area; install partition between living and dining rooms, provide new ceiling in living and dining rooms, and painting of improvement work. The energy portion of this work includes providing heat reclaiming units to heat water, wall insulation and solar film on windows. Maintenance and repair work includes replacing kitchen cabinets, electrical repairs and repairs to interior and exterior doors.

11. REQUIREMENT: This unit needs improvements to the exterior patio so it can be enjoyed in the tropical climate. Air conditioning needs protection from heavy rains. Gutters and downspouts are necessary because of heavy rains. Interior room layout needs improvement. The humid climate here necessitates heavy air conditioning use making energy conservation an important concern. The unit needs a new ceiling. Kitchen cabinets need replacing and the electrical systems are in need of repair. Doors need repair.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION U.S. NAVY PUBLIC WORKS CENTER, GUAM		
4. PROJECT TITLE IMPROVEMENTS AND ENERGY RETROFITS TO ONE UNIT, NAS AGANA		5. PROJECT NUMBER

11. (Cont'd)

CURRENT SITUATION: The patio is unscreened and without a roof. Outside entertainment and leisure are spoiled by insects and rain. Air conditioning units are unprotected from the harsh environment. The entry, living and dining rooms are combined and form a long unattractive area. The unit has an exposed concrete ceiling which is uneven and unsightly. Energy is wasted because excess heat generated by air conditioning units is not used to heat water, poor insulation wastes energy and sun entering the units increases the cooling load. The kitchen cabinets are worn and deteriorated. The electrical system needs repairs. Doors do not function properly.

IMPACT IF NOT PROVIDED: Failure to provide these improvements, energy retrofits and repairs will result in the failure of the unit to suitably serve its designated purpose as commanding officer's quarters, continued unnecessary high energy use, and accelerated deterioration of worn out dwelling unit components.

FAMILY HOUSING, NAVY
ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN

(In Thousands)

FY 1987 Program $2,000
FY 1986 Program $6,930

Purpose and Scope

This program provides for working drawings, specifications and estimates, project planning reports and final design drawings of family housing construction projects authorized or not yet authorized. This includes the use of architectural and engineering services in connection with any family housing new or post acquisition construction.

Program Summary

The amount requested, together with prior year savings, will enable full execution of the construction program. Authorization is requested for appropriation of $2,000,000 to fund new construction and improvement design requirements.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES	4. PROJECT TITLE ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN

5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIES	7. PROJECT NUMBER VARIES	8. PROJECT COST ($000) $2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
A&E SERVICES & CONSTRUCTION DESIGN		—	--	2,000
NEW CONSTRUCTION	L/S	—	--	(2,000)
TOTAL REQUEST				2,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Funds to be utilized under 10 USC 2807 for architectural and engineering services and construction design in connection with military family housing new construction and post acquisition construction projects. Evaluation of turnkey design and engineering investigations, such as field surveys and foundations exploration, will be undertaken as necessary.

11. REQUIREMENT: VARIES

All projects in a military family housing construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. Costs for architectural and engineering services, turnkey evaluation, and construction design are not included in the construction project cost estimates.

IMPACT IF NOT PROVIDED: The FY 1988 and FY 1989 project execution schedules cannot be met.

SUPPORT

[illegible]

FAMILY HOUSING, NAVY
OPERATION AND MAINTENANCE

(In Thousands)

FY 1987 Program $543,595
FY 1986 Program $519,210

Purpose and Scope

a. Operation. This portion of the program provides for expenses in the following categories:

Management. Includes direct and indirect expenses incident to the administration of the family housing program such as housing office personnel and operations, administrative support, training, travel, programming and studies, and community liaison. All housing referral costs are also included, although the housing referral program assists personnel in finding housing in the private community, and is not related to the operation or management of military family housing units.

Services. Includes direct and indirect expenses incident to providing basic support services such as refuse collection and disposal, fire and police protection, pest control, custodial, snow removal, and street cleaning.

Utilities. Includes all utility services provided to family housing, such as electricity, gas, fuel oil, water and sewage, excluding telephone service.

Furnishings. Includes the procurement for initial issue or replacement of household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

Miscellaneous. Includes work or services performed for the benefit of family housing occupants, including mobile home hook-ups and disconnections, for which reimbursement will be received; payments to the U.S. Coast Guard for Navy occupancy of Coast Guard housing; and United Kingdom accommodation charges.

b. Maintenance. This portion of the program supports the upkeep of family housing real property, as follows:

Maintenance/Repair of Dwellings. Includes service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs.

Other Real Property. Includes maintenance, repair and replacement of electricity, gas, water, sewage and other utility distribution systems located within family housing areas, and the portion of activity utility rates attributable to distribution system maintenance when separately identified. Also includes maintenance and repair of any other family housing real property, such as grounds, surfaced areas, and community facilities.

Alterations and Additions. Includes minor incidental improvements to dwellings or other real property performed under the authority of 10 USC 2805.

Program Summary

Authorization is requested for appropriation of $531,061,000. This amount, together with estimated reimbursements of $12,534,000 will completely fund the Fiscal Year 1987 program of $543,595,000.

A summary of the funding program for Fiscal Year 1987 follows:

	Operations Approp-riation Request	Utilities Approp-riation Request	Maintenance Approp-riation Request	Total Approp-riation Request	Reim-burse-ments	Total Program
Navy	74,525	136,735	216,662	427,922	11,534	439,456
Marine Corps	16,319	35,336	51,484	103,139	1,000	104,139
Total DON	90,844	172,071	268,146	531,061	12,534	543,595

FAMILY HOUSING, NAVY
OPERATION AND MAINTENANCE
FY 1987 BUDGET ESTIMATE
DEPARTMENT OF THE NAVY SUMMARY (NAVY AND MARINE CORPS)

(Excludes Leased Units and Costs)

	FY 1986 Estimate	FY 1987 Estimate
A. Workload Data		
1. Inventory Data Average Inventory for Year Requiring O&M Funding:		
a. Conterminous U.S.	75,796	76,180
b. U.S. Overseas	5,338	5,446
c. Foreign	8,830	9,062
d. Worldwide	89,964	90,688

	FY 1986 Enacted		FY 1986 Estimate		FY 1987 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements						
1. Operations						
a. Management	40,000	445	42,500	472	44,730	493
b. Services	29,000	322	30,411	338	31,553	348
c. Furnishings	11,936	133	13,025	145	14,124	156
d. Miscellaneous	400	4	400	4	437	5
Subtotal - Operations	81,336	904	86,336	959	90,844	1,002
2. Utilities	172,000	1,911	168,000	1,867	172,071	1,897
3. Maintenance						
a. Maint. & Repair of Dwellings	209,249	2,325	206,284	2,315	218,248	2,406
b. Maint. & Repair of Other Real Property	40,345	448	40,314	448	45,064	497
c. Alts. & Addns.	4,406	49	4,402	49	4,834	53
Subtotal - Maintenance	254,000	2,822	253,000	2,812	268,146	2,956
4. Total, O&M Expenses (TOA)	507,336	5,637	507,336	5,638	531,061	5,855
5. Appropriation	507,336	5,637	507,336	5,638	531,061	5,855
6. Reimbursements	11,874	132	11,874	132	12,534	138
7. Total Program	519,210	5,769	519,210	5,770	543,595	5,993

NOTE: UNIT COSTS MAY NOT ADD DUE TO ROUNDING.

FAMILY HOUSING, NAVY
OPERATION AND MAINTENANCE
FY 1987 BUDGET ESTIMATE
NAVY

(Excludes Leased Units and Costs)

	FY 1986 Estimate	FY 1987 Estimate
A. Workload Data		
1. Inventory Data Average Inventory for Year Requiring O&M Funding:		
a. Conterminous U.S.	55,882	55,871
b. U.S. Overseas	5,338	5,446
c. Foreign	8,437	8,625
d. Worldwide	69,657	69,942

	FY 1986 Enacted		FY 1986 Estimate		FY 1987 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements						
1. Operations						
a. Management	33,527	482	35,527	510	37,993	543
b. Services	23,476	337	24,387	350	25,228	361
c. Furnishings	8,855	127	9,944	143	10,867	155
d. Miscellaneous	400	5	400	5	437	6
Subtotal - Operations	66,258	951	70,258	1,008	74,525	1,065
2. Utilities	138,490	1,988	134,490	1,931	136,735	1,955
3. Maintenance						
a. Maint. & Repair of Dwellings	175,244	2,516	175,279	2,516	179,829	2,571
b. Maint. & Repair of Other Real Property	31,671	455	31,640	454	32,499	465
c. Alts. & Addns.	4,222	61	4,218	61	4,334	62
Subtotal - Maintenance	211,137	3,032	211,137	3,031	216,662	3,098
4. Total, O&M Expenses (TOA)	415,885	5,971	415,885	5,970	427,922	6,118
5. Appropriation	415,885	5,971	415,885	5,970	427,922	6,118
6. Reimbursements	11,035	158	11,035	158	11,534	165
7. Total Program	426,920	6,129	426,920	6,128	439,456	6,283

NOTE: UNIT COSTS MAY NOT ADD DUE TO ROUNDING.

FAMILY HOUSING, NAVY
OPERATION AND MAINTENANCE
FY 1987 BUDGET ESTIMATE
MARINE CORPS

(Excludes Leased Units and Costs)

	FY 1986 Estimate	FY 1987 Estimate
A. Workload Data		
1. Inventory Data Average Inventory for Year Requiring O&M Funding:		
a. Conterminous U.S.	19,914	20,309
b. U.S. Overseas	0	0
c. Foreign	413	457
d. Worldwide	20,327	20,766

	FY 1986 Enacted		FY 1986 Estimate		FY 1987 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements						
1. Operations						
a. Management	6,473	318	6,973	343	6,737	324
b. Services	5,524	272	6,024	296	6,325	305
c. Furnishings	3,081	152	3,081	152	3,257	157
d. Miscellaneous	0	0	0	0	0	0
Subtotal - Operations	15,078	742	16,078	791	16,319	786
2. Utilities	33,510	1,649	33,510	1,649	35,336	1,702
3. Maintenance						
a. Maint. & Repair of Dwellings	34,005	1,673	33,005	1,624	38,419	1,850
b. Maint. & Repair of Other Real Property	8,674	427	8,674	427	12,565	605
c. Alts. & Addns.	184	9	184	9	500	24
Subtotal - Maintenance	42,863	2,109	41,863	2,059	51,484	2,479
4. Total, O&M Expenses (TOA)	91,451	4,499	91,451	4,499	103,139	4,967
5. Appropriation	91,451	4,499	91,451	4,499	103,139	4,967
6. Reimbursements	839	41	839	41	1,000	48
7. Total Program	92,290	4,540	92,290	4,540	104,139	5,015

NOTE: UNIT COSTS MAY NOT ADD DUE TO ROUNDING.

NAVY
JUSTIFICATION

OPERATING EXPENSES

FY 1986	FY 1987
$70,258,000	$74,525,000

The FY 1987 estimated program represents the Navy family housing requirements using Office of Management and Budget inflation factors and foreign currency exchange rates. Reconciliation of estimates is provided for each program element as follows:

MANAGEMENT

FY 1986	FY 1987
$35,527,000	$37,993,000

The family housing Management account increases 6.9% over FY 1986. Requirements and adjustments from FY 1985 to FY 1987 are shown below:

	($M)
FY 1985 Actual	33.1
Annualized FY 1985 pay raise	.1
Increased staffing for new units	.6
Increased market analysis	.1
ADP Procurement	.6
Price increases	.7
Development of new training courses	.3
FY 1986 Estimate	35.5
Foreign national annualization indirect hire pay increases	.1
Increased staffing for new units	.4
Training/travel for new family housing instruction courses	.3
Price increases	.8
ADP procurement	.2
Administrative support	.2
Increased site analysis/planning for acquisition proposals	.5
FY 1987 Estimate	38.0

The management account provides for direct and indirect expenses in managing the family housing program such as salaries for personnel, administrative support, training and travel, housing referral services, and office supplies and equipment. Increases are attributable to newly constructed units entering the inventory, foreign national indirect hire pay increases in FY 1987, price increases, administrative support, and ADP procurements.

SERVICES

FY 1986	FY 1987
$24,387,000	$25,228,000

The Services account increases 3% in FY 1987 over FY 1986. Requirements and adjustments are as follows:

	($M)
FY 1985 Actual	23.1
Program increase	.7
Price increases	.6
FY 1986 Estimate	24.4
Annualized FY 1986 foreign national indirect hire	.1
New units on line	.2
Price increases	.2
Program increases	.3
FY 1987 Estimate	25.2

The services account provides for expenses such as refuse collection, pest control, fire and police protection, custodial services for common areas, street cleaning and snow removal. Increases are attributed to newly constructed units entering service, foreign national indirect hire pay raises, and price increases.

FURNISHINGS

FY 1986	FY 1987
$9,944,000	$10,867,000

A 9% increase is programmed in FY 1987 in the Furnishings account. Requirements and adjustments are as follows:

	($M)
FY 1985 Actual	11.1
Program decrease	(1.2)
FY 1986 Estimate	9.9
Program increase	.6
Price increase	.4
FY 1987 Estimate	10.9

The furnishings account provides for the salary and overhead costs of controlling, moving and handling the furnishings inventory, maintenance and repair costs of furniture and appliances, initial issue of appliances and furniture for newly acquired units and replacement of furniture and equipment. Increases are attributable to newly constructed units outside the continental U.S. and price increases. The FY 1986 program decrease is due to a Congressional reduction.

MISCELLANEOUS

FY 1986	FY 1987
$400,000	$437,000

Requirements and adjustments for the Miscellaneous account are as follows:

	($M)
FY 1985 Actual	.385
Payments to U.S. Coast Guard and other miscellaneous costs	.015
FY 1986 Estimate	.400
Price increases	.027
FY 1987 Estimate	.437

The Miscellaneous account includes funding primarily to reimburse the U. S. Coast Guard for Navy occupants of their housing and other miscellaneous costs. Increased costs are due to overall inflation of the costs required to operate and maintain family housing.

UTILITIES

The Utilities account increases 1.6% in FY 1986 compared to FY 1985. Requirements and adjustments are as follows:

FY 1986	FY 1987
$134,490,000	$136,735,000

	($M)
FY 1985 Actual	131.2
Price increases	3.3
FY 1986 Estimate	134.5
New units on line	1.0
Price increases	1.2
FY 1987 Estimate	136.7

The Utilities Account provides for all utilities to family housing and includes electricty, natural and propane gas, steam, hot water, fuel oil, water and sewage. Increases are due to newly constructed units and price increases. Consumption decreases are offset by price increases.

MAINTENANCE EXPENSES

FY 1986	FY 1987
$211,137,000	$216,662,000

The FY 1987 Maintenance account increases 3% over FY 1986. Requirements and adjustments are as follows:

	($M)
FY 1985 Actual	215.6
Program decrease	(4.5)
FY 1986 Estimate	211.1
FY 1986 Foreign national indirect hire pay increase	.1
Price increases	2.1
FY 1986 projects deferred due to funding constraints	3.4
FY 1987 Estimate	216.7

The maintenance account provides for recurring maintenance consisting of service calls for emergency and temporary repairs, routine and preventive maintenance, change of occupancy maintenance, interior and exterior painting, maintenance of exterior utilities and maintenance of other real property, such as grounds, roads, and community buildings. The account also provides for major repairs that will restore the facility to such condition that it may be effectively used for its designated purpose. This includes the replacement of parts or materials which have deteriorated and have not been corrected through maintenance. Increases are due to price increases, and accomplishment of repair projects scheduled for FY 1985 that had to be deferred until FY 1987 because of shortfalls in the utilities account in FY 1985.

REIMBURSABLE AUTHORITY

FY 1986	FY 1987
$11,035,000	$11,534,000

	($M)
FY 1985 Actual	10.3
Revised estimate of collections	.5
Price increases	.2
FY 1986 Estimate	11.0
Price increases	.5
FY 1987 Estimate	11.5

MARINE CORPS
JUSTIFICATION

OPERATING EXPENSES

FY 1986	FY 1987
$16,078,000	$16,319,000

The FY 1987 estimated program represents the Marine Corps family housing requirements using Office of Management and Budget inflation factors and foreign currency exchange rates.

A reconciliation of estimates is provided for each program element as follows:

MANAGEMENT

FY 1986	FY 1987
$6,973,000	$6,737,000

	($M)
FY 1985 Actual	6.3
Price increases	.7
FY 1986 Estimate	7.0
Program decrease	(.3)
FY 1987 Estimate	6.7

The Management account provides for direct and indirect expenses in managing the family housing program such as: personnel, administrative support, training, travel, housing referral, and community liaison.

SERVICES

FY 1986	FY 1987
$6,024,000	$6,325,000

The Services account increases 5% in FY 1987 over FY 1986. Requirements and adjustments are as follows:

	($M)
FY 1985 Actual	5.7
Price increases	.3
FY 1986 Estimate	6.0
Price increases	.3
FY 1987 Estimate	6.3

The amount budgeted for FY 1987 will allow for provision of services to all housing units, to include newly acquired units, expected price increases, and support.

FURNISHINGS

FY 1986	FY 1987
$3,081,000	$3,257,000

The FY 1987 request reflects an increase of 5.7% over FY 1986 in the furnishings account. Requirements and adjustments are as follows:

	($M)
FY 1985 Actual	2.9
Price increases	.2
FY 1986 Presidents Budget	3.1
Price increases	.2
FY 1987 Budget request	3.3

The FY 1987 Furnishings request reflects a program increase based on the acquisition of new units and for replacement of furniture and moveable equipment (stoves, refrigerators, etc.). The funds requested will enable a consistent program level of maintenance and replacement of the existing inventory.

UTILITIES

FY 1986	FY 1987
$33,510,000	$35,336,000

The FY 1987 request reflects an increase of 5.5% over FY 1986. Requirements and adjustments are as follows:

	($M)
FY 1985 Actual	30.8
Price increases	2.0
New units	.7
FY 1986 Estimate	33.5
Price increases	1.0
New units	.8
FY 1987 Estimate	35.3

Family housing utilities are priced by known rates or, in accordance with OSD/OMB pricing guidance. Energy conservation continues to be stressed and consumption has been reduced. The level of funding requested will provide the support required to include the increase of units to the inventory.

MAINTENANCE EXPENSES

FY 1986	FY 1987
$41,863,000	$51,484,000

The maintenance account increases 22.9% in FY 1987 over FY 1986.

	($M)
FY 1985 Actual	50.8
Program decrease	(8.9)
FY 1986 estimate	41.9
Program increase	9.6
FY 1987 Estimate	51.5

The FY 1987 request will provide for the performance of annual maintenance and for major repair of Marine Corps housing units. The FY 1986 major repair program was reduced to allow for design of the major repair outyear program. The level of funding requested for FY 1987 allows for a slight increase over the FY 1985 funding authorization. The projected deferred maintenance will remain at high level after the proposed FY 1987 funding has been achieved. The deferred level will continue to increase if the major repair program is not increased. If this trend continues, progress made in the past years to improve the quality of life for our military families will be negated.

REIMBURSEMENTS

FY 1986	FY 1987
$839,000	$1,000,000

The Reimbursements account increases 19.2% in FY 1987 compared to FY 1986.

	($M)
FY 1985 Actual	.7
Price increases	.1
FY 1986 Estimate	.8
Revised estimate of collections	.2
FY 1987 Budget Request	1.0

The FY 1987 estimates reflect an increase for involuntary collections for damages.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT		5. PROJECT NUMBER VARIOUS

INTRODUCTION

Maintenance and/or repairs over $15,000/unit that will be accomplished concurrently with an improvement project requiring line item authorization are identified on the DD Form 1391 for the improvement project.

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	TOTAL ($000)
INSIDE THE UNITED STATES		
CALIFORNIA		
NWS Concord	30,506	518.6
For 17 units, replace insulation, windows, screens, vinyl flooring, exhaust fans, furnaces, galvanized piping, light fixtures, switches and outlets. Replace doorbells, splashblocks, downspouts, smoke detectors, kitchen cabinets, blighted trees and shrubs and tot lots. Repair or replace tubs, showers, water closets and lavatories. Repair air ducts, electrical systems, foundation cracks, footings, girders, and mechanical room enclosures. Repair site drainage and sidewalks. Add weatherstripping. Trim trees. Deferred from FY86 due to funding constraints.		

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT		5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL ($000)
INSIDE THE UNITED STATES		
CALIFORNIA (Con'd)		
NS Long Beach	29,336	2,229.3

Wholehouse repairs to 76 units. Repair gutters, curbs, sidewalks and sewer system. Repair interior lath and plaster. Repair and paint fascia. Repair/replace sliding glass patio doors and hardware. Replace roofs, gutters and downspouts, interior and exterior doors and sliding closet doors. Replace vinyl composition tile flooring and skylights. Replace smoke detectors with 120V type. Replace bathroom medicine cabinets and lavatories, kitchen and bath exhaust fans, light fixtures, outlets and switches. Refinish kitchen cabinets and replace countertops. Install dishwashers in all units and bathroom exhaust fans in 18 units. Repoint ceramic tile. Paint interior. Remove tree roots, repair drainage system, asphalt paving, and irrigation system. Deferred from FY86 due to funding constraints.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT		5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL ($000)
INSIDE THE UNITED STATES		
CALIFORNIA (Cont'd)		
NS Long Beach Wholehouse repairs to 27 units. Repair sidewalks, gutters, drainage systems, paved roadways, parking areas and driveways. Repair sewer system. Repair acoustical ceilings. Repair/replace roofs, windows and screens. Replace interior and exterior doors, screen doors, and locksets (deadbolts). Replace vinyl composition tile flooring, sliding closet doors, medicine cabinets, lavatories and bathroom accessories. Replace kitchen exhaust fans; rod out waste/vent systems. Replace light fixtures, receptacles and switches, and smoke detectors with 120V type. Replace mechanical clotheslines. Refinish kitchen cabinets; install dishwashers. Paint interior and exterior. Repoint ceramic tile and recaulk tubs and showers. Remove tree roots. Deferred from FY86 due to funding constraints.	24,267	655.2
NS Mare Island Wholehouse repairs to 14 units. Major maintenance to correct termite damage including replacement of damaged structural members, elimination of wood to ground contact, replacement of plumbing and electrical components where required by wood replacement, patch/plaster/paint interior as necessary, replace flashing, gutters, porch roofs, paint exterior, pressure treat/tent and fumigate.	22,275	311.8

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT		5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL ($000)
INSIDE THE UNITED STATES		
CALIFORNIA (Cont'd)		
NAS Miramar Wholehouse repairs to 70 units. Repair sidewalks, driveways, patio slabs, and sprinkler system. Repair and paint patio covers. Repair/replace vinyl/wood floors, kitchen countertops, cabinets, dishwashers, cooktops, range hoods and garbage disposals. Repair/replace doorbells, garage doors and roofs. Replace windows, sliding glass doors, interior/exterior doors, showers, water closets, vanities, bathroom fixtures, bathroom floors and walls. Replace furnaces, thermostats, light fixtures, receptacles and switches, wall panel and control panel box. Paint interior/exterior. Add insulation. Remove trees, tree stumps and roots and correct drainage. Reseed and fertilize lawns. Deferred from FY86 due to funding constraints.	48,215	3,375.1
NAS Miramar Wholehouse repairs to 16 units. Repair sidewalks and driveways. Repair/replace bathtubs, showers, water closets, vanities and flooring. Repair/replace doorbells and roofs, gutters and downspouts. Replace windows, interior/exterior doors, kitchen cabinets, countertops, range hoods, sinks, dishwashers, and garbage disposals. Replace light fixtures, receptacles and switches. Replace sprinkler system. Replace siding, furnace, thermostats and air ducts. Repave two streets. Paint interior. Deferred from FY86 due to funding constraints.	41,324	661.2

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	5. PROJECT NUMBER VARIOUS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE	
	UNIT COST ($)	TOTAL ($000)
INSIDE THE UNITED STATES		
CALIFORNIA (Cont'd)		
PWC San Francisco Wholehouse repairs to 2 units. Repair differential settlement by demolishing concrete and pile cutting. Repair utility lines. Replace wooden porch and deck; replace roof flashing. Install new pile caps, concrete slab and steps. Install leveling jacks. Accomplish miscellaneous interior carpentry work. Deffered from FY86 due to funding constraints.	57,150	114.3
NCS Stockton Wholehouse repairs to 42 units. Repair roofs. Replace tubs or, if necessary, provide tubliners; replace ceramic tile tub surrounds, lavatories, medicine cabinets, flooring and lighting in bathrooms and kitchens. Replace kitchen countertops, cabinets and sinks. Replace kitchen and closet doors. Replace wiring and/or ground receptacles. Replace deteriorated window assembly. Jack floor as required to level floors, provide and install additional pier support systems. Seal ceiling cracks and retexture ceilings. Regrade site to drain. Deferred from FY86 due to funding constraints.	21,057	884.4

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT		5. PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL ($000)
INSIDE THE UNITED STATES		
WASHINGTON		
NS Seattle Wholehouse repairs to 75 units. Repair roofs and carport support columns. Replace window heaters, kitchen casework, dishwashers, interior and some exterior doors, flooring, some bath accessories, drain lines, trim, light fixtures, and electrical components. Patch carports. Interior/exterior painting and miscellaneous maintenance work. Deferred from FY86 due to funding constraints.	44,973	3,373.0
NS Seattle Wholehouse repairs to 12 units. Repair carport support columns. Replace windows, kitchen casework, dishwashers, interior and some exterior doors, flooring, some bath accessories, drain lines, trim, light fixtures, and electrical components. Patch carports. Interior/exterior painting and miscellaneous maintenance work. Deferred from FY86 due to funding constraints.	45,517	546.2

1 COMPONENT US MARINE CORPS	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION NAVAL INSTALLATIONS VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4 PROJECT TITLE FAMILY HOUSING MAINTENANCE AND REPAIR OVER $15,000 PER UNIT		5 PROJECT NUMBER VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	 TOTAL COST ($000)
Virginia		
MCDEC, Quantico Va	53,333	16,000.0
Repairs to 300 units constructed during 1962. Project will replace/re-repair plumbing systems, fixtures and ancillary items; electrical systems; roofing system, including insulation and open beam ceilings; walls, floors, windows, doors, jambs, casings, baseboards, screens, storm windows, shades, venetian blinds, door hardware; bathroom and kitchen wall cabinets, base cabinets and fixtures, floor tiles, sinks, countertops and backsplash, and ducted range hoods; wall insulation and weatherstripping; interior painting, replace floor tiles; repair/replace, exterior woodwork and siding; gutters and downspouts, underdrains, concrete and handrails.		

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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICER QUARTERS		5. PROJECT NUMBER

FY 1987
United States Navy
General and Flag Officer Quarters Costing More than $25,000

Activity	Quarters ID	Operation	Maintenance and Repair	Total	Improvement
CALIFORNIA					
PWC San Diego, CA	Qtrs A NAS North Island	7,560	64,630	72,190	

Operation includes carpet cleaning, services such as pest control, trash removal and utilities. Maintenance includes routine and preventive maintenance, grounds care, and repair project to sandblast and color coat and repair windows, roof, electrical system and other miscellaneous work. The repair project, submitted in FY 85 to Congress and approved at a cost estimate of $67,900, was unable to be awarded in FY 85. Part of the work is proposed for FY 86, thereby reducing the amount required in FY 87.

DISTRICT OF COLUMBIA					
NAVDIST Washington	Qtrs A	14,335	10,960	25,295	

Operation includes high cost utilities, and services such as trash removal, pest control, and snow removal. Maintenance includes routine and preventive maintenance, window repair/replacement and grounds care costs.

NAVDIST Washington	Qtrs N	6,874	18,900	25,774	

Operation includes cleaning carpet and draperies. Maintenance includes routine and preventive maintenance, grounds care costs, interior wall repairs and painting, and change of occupancy costs, including replacement of electrical wiring.

ILLINOIS					
PWC Great Lakes	Qtrs AA	19,100	13,900	33,000	

Operation includes high steam heat costs, other utilities, and services such as pest control, trash removal and snow removal. Maintenance includes interior painting, exterior utilities repair, grounds care, and routine and preventive maintenance.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE
GENERAL AND FLAG OFFICER QUARTERS

5. PROJECT NUMBER

Activity	Quarters ID	Operation	Maintenance and Repair	Total	Improvement
PWC Great Lakes	Qtrs A	17,400	14,400	31,800	

Operation includes high steam heat costs, other utilities and services such as pest control, trash removal and snow removal. Maintenance includes interior painting, repair exterior utilities, grounds care and routine and preventive maintenance.

MARYLAND

NMC NCR Bethesda	Qtrs B	10,275	15,244	25,519	

Operation includes utility costs and services such as pest control, trash removal and snow removal. Maintenance includes replacement of bathroom plumbing fixtures, venetian blinds, interior painting, change of occupancy costs, routine and preventive maintenance, and grounds care costs.

USNA Annapolis, MD	Qtrs #1 Buchanan	25,800	19,200	45,000	

Operation includes high electric and steam heat costs, and services such as pest control, trash removal and snow removal. Maintenance includes routine and preventive maihtenance, repairs to heating, air conditioning, mechanical and electricel systems, exterior utilities, porches, and painting.

RHODE ISLAND

NETC Newport	Qtrs AA, CHI	15,300	77,700	93,000	

Operation includes high steam heat costs, other utilities and services such as pest control, trash removal, and snow removal. Maintenance includes routine and preventive maintenance, minor repairs, exterior utility repairs, and grounds care. The Repair project, submitted in FY 85 and approved by the Congress, was unable to be awarded in FY 85. Proposed to be accomplished over a three year period, this increment will effect repairs to the kitchen, including replacement of cabinets, wiring, lighting and windows.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICER QUARTERS		5. PROJECT NUMBER

Activity	Quarters ID	Operation	Maintenance and Repair	Total	Improvement

VIRGINIA

The following FY 87 budgets are for units located at PWC Norfolk Virginia which were originally built as a part of the Jamestown Exposition. Budgets are submitted subject to Congressional direction for the proposed disposition of these units.

PWC Norfolk	Connecticut House M-5	11,100	23,300	34,400	

Operation includes high steam and electricity costs, and services such as pest control, trash removal and snow removal. Maintenance includes exterior painting, grounds care and routine and preventive maintenance.

PWC Norfolk	Cornick House	7,400	19,000	26,400	

Operation includes cleaning carpet and furniture and replacement of draperies, utility costs and services such as pest control, trash removal and snow removal. Maintenance includes routine, preventive and change of occupancy maintenance costs and grounds care.

PWC Norfolk	Delaware House F-2	16,300	23,300	39,600	

Operation includes replacement of carpet and draperies, utility costs, and services such as pest control, trash removal and snow removal. Maintenance includes grounds care, interior painting, routine and preventive maintenance and change of occupancy maintenance costs.

PWC Norfolk	Gingerbread House M-104	7,300	31,700	39,000	

Operation includes replacement of carpet, utility costs, and services such as pest control, trash removal and snow removal. Maintenance includes interior and exterior painting, grounds care, routine and preventive maintenance and change of occupancy maintenance to include repair/replace cabinets, doors, ceilings and walls.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICER QUARTERS	5. PROJECT NUMBER	

Activity	Quarters ID	Operation	Maintenance and Repair	Total	Improvement
PWC Norfolk	Missouri House	19,100	13,300	32,600	

Operation includes cleaning furniture and draperies and replacement of carpet, utility costs, and services such as pest control, trash removal and snow removal. Maintenance includes routine and preventive maintenance and grounds care costs.

PWC Norfolk	Ohio House F-33-W	9,900	22,300	32,200	

Operation includes cleaning draperies and carpeting, utility costs and services such as pest control, trash removal and snow removal. Maintenance includes interior painting, grounds care, routine and preventive maintenance and change of occupancy maintenance, to include ceiling and wall repairs, replacement of hot water heat exchanger and other minor repairs.

PWC Norfolk	Virginia House G-30	18,300	18,900	37,200	

Operation includes high steam and electricity costs, and services such as pest control, trash removal and snow removal. Maintenance includes routine and preventive maintenance, replacement of waste line piping, change of occupancy costs and grounds care.

PWC Norfolk	West Virginia House F-35-E	11,400	15,400	26,800	

Operation includes cleaning of furniture and draperies and carpet replacement, utility costs, and services such as pest control, trash removal and snow removal. Maintenance includes grounds care, replacement of vinyl flooring, removal and cleaning of light fixtures, and other mechanical, structural, plumbing and electrical repairs.

PWC Norfolk	West Virginia House F-35-W	8,100	19,700	27,800	

Operation includes cleaning carpet, draperies, and furniture during change of occupancy, utility costs and services such as pest control, trash removal and snow removal. Maintenance includes routine and preventive maintenance, grounds care, as well of change of occupancy maintenance costs to include interior painting.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE

GENERAL AND FLAG OFFICER QUARTERS

5. PROJECT NUMBER

Activity	Quarters ID	Operation	Maintenance and Repair	Total	Improvement
ITALY					
NAVSUPPACT Naples	Villa Nike	24,116	18,640	42,756	

Operation includes high steam and electricity costs and services such as pest control and trash removal. Maintenance includes routine and minor repairs and replacements at change of occupancy and grounds care costs. (Priced at 1,678.00 lira:$1.00)

JAPAN					
PWC Yokosuka	18 Halsey Road	13,450	21,600	35,050	

Operation includes high steam and electricity costs and services such as pest control and trash removal. Maintenance includes normal, cyclic exterior painting. (Priced at 200.55 yen:$1.00)

PUERTO RICO					
NAVSTA Roosevelt Roads	970 #1 FDR	5,100	6,100	11,200	30,400

The Improvement amounts Improvements is a part of a whole-site project (226 units) to include hurricane protection, new bathroom vanities, fire escape knock-out windows, hard-wired smoke detectors, and installing central air conditioning and plastic screens.

UNITED KINGDOM					
NAVACTS UK	Romany House	16,788	9,157	25,945	

Operation includes high utility costs and services such as pest control and trash removal. Maintenance includes routine and preventive maintenance. (Priced at .69 pound:$1.00)

LEASED					
COMIDEASTFOR Bahrain	1172 Road	33,900	4,200	38,100	

Operation includes shelter rent, services (refuse collection etc.) and utilities. Maintenance is routine and preventive maintenance.

1. COMPONENT NAVY	FY 19^87^___MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICER QUARTERS		5. PROJECT NUMBER

Activity	Quarters ID	Operation	Maintenance and Repair	Total	Improvement
ITALY					
NSA Naples	Villa Alfredo	20,445	10,000	30,445	

Operation includes shelter rent, management, services (refuse collection etc.) and utilities. Maintenance includes routine maintenance and a maintenance service contract for grounds care. (Priced at 1,678.00 lira:$1.00)

NSA Naples	Villa Bruni	23,400	10,500	33,900	

Operation includes shelter rent, management and utilities. Maintenance is routine and preventive maintenance. (Priced at 1,678.00 lira:$1.00)

NSA Naples	Villa Claudia	22,500	14,700	37,200	

Operation includes shelter rent, management, services (refuse collection etc.) and utilities. Maintenance includes routine maintenance and a maintenance service contract for grounds care. (Priced at 1,678.00 lira:$1.00)

NSA Naples	Villa Ida (Air)	27,500	9,600	37,100	

Operation includes shelter rent, management, and utilities. Maintenance includes routine maintenance. (Priced at 1,678.00 lira:$1.00)

NSA Naples	Villa Ida (Army)	29,200	4,000	33,200	

Operation includes shelter rent, management, services (refuse collection etc.) and utilities. Maintenance includes routine maintenance. (Priced at 1,678.00 lira:$1.00)

NSA Naples	Villa Nucci	24,800	10,200	35,000	

Operation includes shelter rent, management, and utilities. Maintenance includes routine maintenance and a maintenance service contract for grounds care. (Priced at 1,678.00 lira:$1.00)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICER QUARTERS		5. PROJECT NUMBER

Activity	Quarters ID	Operation	Maintenance and Repair	Total	Improvement
NSA Naples	Villa Roberts	22,300	10,500	32,800	

Operation includes shelter rent, management, services (refuse collection, etc.) and utilities. Maintenance includes routine maintenance and a maintenance service contract for grounds care. (Priced at 1,678.00 lira:$1.00)

NSA Naples	Villa Schioppa	27,400	10,500	37,900	

Operation includes shelter rent, management, services (refuse collection etc.) and utilities. Maintenance includes routine maintenance and a maintenance service contract for grounds care. (Priced at 1,678.00 lira:$1.00)

PORTUGAL

CINCIBERLANT Lisbon	Alto Da Luz	33,300	6,100	39,400	

Operation includes shelter rent, services (refuse collection etc.) and utilities. Maintenance includes routine maintenance. (Priced at 158.00 escudo:$1.00)

UNITED KINGDOM

NAVACTS	25 Orchard Court	35,500	5,750	41,250	

Operation includes shelter rent, services (refuse collection etc.) and utilities. Maintenance includes routine maintenance. (Priced at .69 pound:$1.00)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICER QUARTERS	5. PROJECT NUMBER	

FY 1987
UNITED STATES MARINE CORPS
GENERAL AND FLAG OFFICER QUARTERS COSTING MORE THAN $25,000

Activity	Quarters ID	Operation	Maintenance and Repair	Total	Improvement
CALIFORNIA					
MCLB, Barstow	1	14,680	10,320	25,000	0

Operation includes replacement of dishwasher, garbage disposal, hot water heater, carpet, and drapes, utility costs and services such as pest control and trash removal. Maintenance includes routine and preventive maintenance, interior paint and repairs to exterior doors.

MCB, Camp Pendleton	24154	13,900	12,400	26,300	0

Operation includes utilities, maintenance and repair of furnishings, and services such as pest control and trash removal. Maintenance includes routine and preventive maintenance and repairs to exterior doors and clothesline.

MCAS (H) El Toro	A (H)	15,350	12,825	28,175	0

Operation includes replacement of water heater, repair of furnishings, replacement of carpet, utility costs and services such as pest control and trash removal. Maintenance includes routine and preventive maintenance and fence repair.

DISTRICT OF COLUMBIA					
8th & I STs., S.E.	6	17,540	103,110	120,650	0

Operation includes high cost utilities costs, and services such as pest control, trash removal and snow removal. Maintenance includes routine and preventive maintenance and a project to replace the heating and air conditioning system. The project will include replacement of 100 fan coil units; replacement of piping; channeling and patching walls in 12 rooms and replacing the thermostat and humidistat.

GEORGIA					
MCLB, Albany	10500	4,000	12,025	16,025	21,300

Operation includes replacement of range and water heater, maintenance and repair of furniture, utility costs and services such as pest control and trash removal. Maintenance includes routine and preventive maintenance, and roof replacement. Improvement includes enlargement of an existing sun porch.

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICER QUARTERS		5. PROJECT NUMBER

Activity	Quarters ID	Operation	Maintenance and Repair	Total	Improvement
NORTH CAROLINA					
MCB Camp Lejeune	2001	6,285	24,850	31,135	0

Operation includes replacement of carpet, utilities, maintenance and repair of furnishings and services such as pest control and trash removal. Maintenance includes routine and preventive maintenance, and the installation of exterior siding.

MCB Camp Lejeune	2003	5,875	22,200	28,075	0

Operation includes replacement of dishwasher and carpet, maintenance and repair of furnishings, utility costs and services such as pest control and trash removal. Maintenance includes routine and preventive maintenance, installation of exterior siding, and exterior paint.

MCB Camp Lejeune	H27	5,490	9,050	14,540	3,300

Operation includes utility costs and services such as pest control and trash removal. Maintenance includes routine and preventive maintenance. Improvements include enlargement of existing sun porch.

SOUTH CAROLINA					
MCRD, Parris Island	1	8,000	41,100	49,100	0

Operation includes replacement of dishwasher and drapes, maintenance and repair of furnishings, utility costs and services such as pest control and trash removal. Maintenance includes routine and preventive maintenance, and exterior painting.

VIRGINIA					
MCDEC, Quantico	12	9,395	69,185	78,580	0

Operation includes replacement of range, refrigerator, dishwasher, range hood, carpet, drapes, utility costs and services such as pest control and trash removal. Maintenance includes routine and preventive maintenance, roof replacement, whole house repairs, and exterior siding repairs.

DEPARTMENT OF THE NAVY

LEASING

(In Thousands)
FY 1987 Program $22,459.0
FY 1986 Program $16,934.0

PURPOSE AND SCOPE

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters, including operation and maintenance costs.

PROGRAM SUMMARY

A summary of the funding program for Fiscal Year 1987 follows:

	FY 85		FY 86		FY 87	
	Yr End Units	Cost ($000)	Authorization Units	Cost ($000)	Authorization Units	Cost ($000)
Domestic:	2	10.0	27	207.0	665	5,214.1
Foreign:	1,722	14,919.0	1,923	16,727.0	1,923	17,244.9
Total:	1,724	14,929.0	1,950	16,934.0	2,588	22,459.0

JUSTIFICATION

Domestic Leasing: The domestic leasing program is authorized in 10 USC 2828. FY86 legislation has increased the maximum annual rental on a family housing unit leased in the United States, Puerto Rico, or Guam under section 2828(b) of Title 10, USC. to $10,000. With the statutory cost limitation increased to $10,000, Navy intends to execute 65 leases at Earle as an interim solution to our housing shortage until the Section 801 units come on line for occupancy, during FY 1987.

Section 801 of the FY84 Military Construction Authorization Act (PL 98-115) authorizes the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. This authorization was considered a test and would have expired upon execution of contracts no later than 1 October 1985. FY 86 legislation extended the Section 801 program to execute contracts up to 1 October 1986. The Navy sites chosen for testing Section 801 are Norfolk, Virginia, and Earle, New Jersey.

Funds for the domestic leasing program for FY 1986 are required to execute 27 leases from the Federal Aviation Administration (FAA) as an interim solution to our housing shortage in Guam. These leases will be terminated at the end of FY 86 since legislation has been introduced in FY 87 to acquire all 89 units from FAA at no cost.

The domestic program for FY 87 consists of 665 units requiring funding. Funding requested in FY 87 will provide for phased occupancy of the Section 801 leasing projects at Norfolk, Virginia, and Earle, New Jersey, and funding for the 65 domestic leases.

Foreign Leasing: Leasing in foreign countries is authorized in 10 USC 2828, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

The FY 85 Navy Appropriation included $19,000,000 for foreign leasing. The execution of the FY 85 program of 1722 units resulted in approximately $4.0 million in excess funds. Savings of $2.6 million resulted from the 200 lease construct project at Sigonella, Italy, being delayed and savings of $1.4 million was realized due to improved exchange rates coupled with 24 leases not executed. The projected savings have been realigned to other Operations and Maintenance requirements.

The FY 86 units authorization of 1,923 covers funding requirements for 1,723 foreign leased units. The FY 86 Navy Appropriation includes $16,727,000 to satisfy our funding requirement. No savings will be realized in FY 86.

The FY 87 unit authorization consists of 1,923 units of which 1,723 foreign units require funding for the entire fiscal year. The 200 additional leases required in FY 87 will be in support of the 200 unit approved lease construct project in Sigonella.

FAMILY HOUSING, NAVY
LEASING

	FY85			FY86			FY87		
	UNITS REQUIRED	LEASE MONTHS	COST ($000)	UNITS REQUIRED	LEASE MONTHS	COST ($000)	UNITS REQUIRED	LEASE MONTHS	COST ($000)
FOREIGN									
Hong Kong, B.C.	3	29	83.2	3	36	84.4	3	36	85.5
R.P. (Manila)	51	612	549.4	51	612	595.0	51	612	612.8
Indonesia (Djakarta)	9	105	255.9	9	99	240.0	9	108	264.0
Thailand (Bangkok)	4	38	85.8	5	60	119.7	5	60	131.6
Bahrain	1	12	33.1	1	12	39.8	1	12	43.7
Greece	2	21	32.5	2	24	33.1	2	24	32.1
Egypt (Cairo)	11	132	105.5	11	132	116.3	11	132	116.9
Italy	1,062	12,744	10,132.3	1,262	12,744	11,273.0	1,262	12,744	11,719.8
United Kingdom	578	6,936	3,608.0	578	6,936	4,187.9	578	6,936	4,197.0
Portugal (Lisbon)	1	12	33.3	1	12	37.8	1	12	41.5
TOTAL Foreign	1722	20,641	$14,919.0	1,923	20,667	$16,727.0	1,923	20,676	$17,244.9
DOMESTIC									
Norfolk, VA							300	3,047	3,352.0
Earle, NJ							365	2,130	1,862.1
Guam, MI				27	243	207.0			
VARLOCS	2	18	10.0						
TOTAL Domestic	2	18	10.0	27	243	207.0	665	5,177	$5,214.1
TOTAL Leasing	1,724	20,659	$14,929.0	1,950	20,910	$16,934.0	2,588	25,853	$22,459.0

FAMILY HOUSING, NAVY
DEBT PAYMENT

	(In thousands)
FY 1987 Program	$9,071
FY 1986 Program	$17,302

Purpose and Scope

This program includes the payment of mortgage principal and interest on the remaining indebtedness for Capehart and acquired Wherry housing and payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel on housing purchased by them.

Program Summary

Authorization is required for the appropriation of $9,071,000. No reimbursements will be used to finance the FY 1986 program pursuant to Section 511, Public Law 96-418.

A summary of the status of the indebtedness assumed by the Department of the Navy to acquire quarters for the military housing is as follows:

	(In Thousands)		
	1985 Actual	1986 Estimates	1987 Estimate
Debt Incurred:			
Capehart	346,901	346,901	346,901
Wherry	158,158	158,158	158,153
TOTAL	505,059	505,059	505,059
Less previously retired:			
Capehart	312,530	328,227	339,126
Wherry	141,557	149,092	154,432
	454,087	477,319	493,558
Debt Retired During Year:			
Capehart	15,697	10,899	5,977
Wherry	7,535	5,340	2,636
TOTAL	23,232	16,239	8,613
Unliquidated Debt, End of Year:			
Capehart	18,674	7,775	1,798
Wherry	9,066	3,726	1,090
TOTAL	27,740	11,501	2,888

FAMILY HOUSING, NAVY
DEBT PAYMENT
($000)

TOA	FY 1986	FY 1987
Interest		
Capehart and Wherry	822	268
Mortgage Insurance Premiums		
Servicemember's		
Navy	211	166
Marine Corps 1/	30	24
Total Obligating Authority	1,063	458
Budget Authority:	1,063	458
Appropriation	17,302	9,071
Portion Applied to Debt Reduction	16,239	8,613
Appropriation (adjusted)	1,063	458

1/ The only Marine Corps program in the Debt Payment Category.

FAMILY HOUSING, NAVY
FY 1987 BUDGET
SERVICEMEN'S MORTAGE INSURANCE PREMUIMS

This program provides for the payment of premiums due on mortage insurance provided by the Federal Housing Administration for housing mortgages purchased by active duty military personnel. Also, it continues payments for cases where a serviceman dies while on active duty and leaves a surviving widow as owner of the property. Payments extend for a period of two years after death or until the widow disposes of the property, whichever occurs first. The maximum amount insurable by FHA is $67,500. The premium rate is 1/2 of 1% of the unpaid balance of the mortgage. The Department of Housing and Urban Development stopped processing applications for servicemen's mortgage insurance premiums as of 31 March 1980 with the discontinuance of Section 222 of the Housing Act.

		FY1986			FY1987	
	NAVY	MARINE CORPS	TOTAL	NAVY	MARINE CORPS	TOTAL
No. of Mortgages	1,507	214	1,721	1,186	172	1,358
Average Payment	$140	$140	$140	$140	$140	$140
Total Payment	$211,000	$30,000	$241,000	$166,000	$24,000	$190,000

DEPARTMENT OF DEFENSE

MILITARY CONSTRUCTION PROGRAM

FAMILY HOUSING PROGRAM

FY 1987
DEFENSE AGENCIES

JUSTIFICATION DATA SUBMITTED TO CONGRESS

MILITARY CONSTRUCTION, DEFENSE AGENCIES

FY 1987 PROGRAM

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

        ACTIVE, GUARD AND RESERVE FORCES         DATA AS OF 04 FEB 1986
           INSIDE THE UNITED STATES
                ($ THOUSANDS)
   STATE/COMP./INSTALLATION
-- ---------------------PROJECT NAME----------------   PROJ COST      TOTAL
                                                      ----------  ----------
   ALABAMA
     DEFENSE LEVEL ACTIVITIES
       FORT MCCLELLAN
         ELEMENTARY SCHOOL ADDITION                       2,830
          FORT MCCLELLAN                                              2,830       35

   ALASKA
     DEFENSE LEVEL ACTIVITIES
       FORT WAINWRIGHT
         TROOP MEDICAL AND DENTAL CLINIC                  6,800                  112
          FORT WAINWRIGHT                                             6,800

   ARIZONA
     JOINT TACTICAL C3 AGENCY
       FORT HUACHUCA
         COMMUNICATIONS TEST FACILITY                     9,880                  179
          FORT HUACHUCA                                               9,880

   CALIFORNIA
     STRATEGIC DEFENSE INITIATIVE ORGANIZATION
       EDWARDS AFB
        ROCKET PROPULSION BRILION FACILITY                4,140
         EDWARDS AFB                                                  4,140       63

     DEFENSE LEVEL ACTIVITIES
       DEFENSE LANGUAGE INSTITUTE - MONTEREY
        BARRACKS                                          5,400
         DEFENSE LANGUAGE INSTITUTE - MONTEREY                        5,400       77

       EDWARDS AFB
        DENTAL CLINIC                                     3,950
         EDWARDS AFB                                                  3,950      115

       MARCH AFB
        ADD/ALTER MEDICAL LOGISTIC FACILITY               2,300
         MARCH AFB                                                    2,300      118

       FORT ORD
        HOSPITAL ADDITION                                   530
         FORT ORD                                                       530      302

       TRAVIS AFB
       *COMPOSITE MEDICAL FACILITY PHASE IV              87,900
         TRAVIS AFB                                                  87,900      122
           AUTHORIZED IN PRIOR YEAR                                 (87,900)

       VANDENBERG AFB
        ADD/ALTER MEDICAL CENTER CLINIC ANNEX             1,800
         VANDENBERG AFB                                               1,800      126
                                                                 -----------
    **DEFENSE LEVEL ACTIVITIES                                      101,880
           AUTHORIZED IN PRIOR YEAR                                 (87,900)

     DEFENSE LOGISTICS AGENCY
       DEF FUEL SUPPORT POINT ESTERO BAY
        FIRE PROTECTION                                     460                  235
         DEF FUEL SUPPORT POINT ESTERO BAY                              460
                                                                 -----------
 **CALIFORNIA                                                       106,480
           AUTHORIZED IN PRIOR YEAR                                 (87,900)

 DISTRICT OF COLUMBIA
   DEFENSE NUCLEAR AGENCY
     NAVAL REARSCH LAB
      PULSE POWER RESEARCH FACILITY                       3,200                   26
       NAVAL REARSCH LAB                                              3,200

              * AUTHORIZED IN PRIOR YEAR
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP /INSTALLATION PROJECT NAME	PROJ COST	TOTAL	
GEORGIA			
DEFENSE LEVEL ACTIVITIES			
FORT BENNING			
WHITE ELEM SCHOOL MODERNIZATION/ADDITION	1,080		
FORT BENNING		1,080	41
ROBINS AIR FORCE BASE			
ROBINS AND LINWOOD ELEM SCHOOL ADDITIONS	2,440		
ROBINS AIR FORCE BASE		2,440	44
**DEFENSE LEVEL ACTIVITIES		3,520	
HAWAII			
STRATEGIC DEFENSE INITIATIVE ORGANIZATION			
PACIFIC MISSILE RANGE			
INTERMEDIATE BALLISTIC MISSILE LAUNCH CPLX	2,890		
PACIFIC MISSILE RANGE		2,890	66
DEFENSE LEVEL ACTIVITIES			
PEARL HARBOR			
OCCUPATIONAL HEALTH CLINIC	9,700		133
PEARL HARBOR		9,700	
**HAWAII		12,590	
IDAHO			
DEFENSE LEVEL ACTIVITIES			
MOUNTAIN HOME AFB			
COMPOSITE MEDICAL FACILITY	30,500		133
MOUNTAIN HOME AFB		30,500	
ILLINOIS			
DEF COMMUNICATIONS AGNCY			
SCOTT AFB			
DECCO COMPUTER CENTER/ADMIN FACILITY	7,600		31
SCOTT AFB		7,600	
KENTUCKY			
DEFENSE LEVEL ACTIVITIES			
FORT CAMPBELL			
MIDDLE SCHOOL ADDITION	1,340		
FORT CAMPBELL		1,340	47
FORT KNOX			
ELEMENTARY SCHOOL GYMNASIUMS-SIX	4,350		
FORT KNOX		4,350	50
**DEFENSE LEVEL ACTIVITIES		5,690	
LOUISIANA			
DEFENSE LEVEL ACTIVITIES			
FORT POLK			
TROOP MEDICAL CLINIC	2,850		133
FORT POLK		2,850	
MARYLAND			
DEFENSE LEVEL ACTIVITIES			
ANDREWS AFB			
MALCOLM GROW MEDICAL CENTER CLINIC ANNEX	2,000		142
ANDREWS AFB		2,000	

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

        ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 04 FEB 1986
             INSIDE THE UNITED STATES
                  ($ THOUSANDS)
 STATE/COMP./INSTALLATION                          PROJ COST       TOTAL
 -------------------PROJECT NAME----------------  -----------  -----------
MARYLAND
  DEFENSE LEVEL ACTIVITIES
    USUHS BETHESDA
     MEDICAL STORAGE FACILITY                             900                 303
      USUHS BETHESDA                                                   900
                                                               -----------
  **DEFENSE LEVEL ACTIVITIES                                         2,900

  NATIONAL SECURITY AGENCY
    FORT MEADE
     CONNECTOR ROAD                                     5,200                   7
     R&D FACILITY                                      50,700                  10
     ROAD IMPROVEMENTS                                  4,370                  12
      FORT MEADE                                                    60,270

  DEFENSE NUCLEAR AGENCY
    BETHESDA NAVAL HOSPITAL
     RESEARCH SUPPORT BUILDING                            790
      BETHESDA NAVAL HOSPITAL                                          790    294
                                                               -----------
**MARYLAND                                                          63,960


MISSISSIPPI
  DEFENSE LEVEL ACTIVITIES
    KEESLER AFB
     ADD/ALTER RADIOLOGY LINER ACCELERATOR              3,100                 144
      KEESLER AFB                                                    3,100


MISSOURI
  DEFENSE MAPPING AGENCY
    DMA AEROSPACE CENTER
     DIGITAL PRODUCTION FACILITIES                     16,700
      DMA AEROSPACE CENTER                                          16,700      3


NEW JERSEY
  DEFENSE LEVEL ACTIVITIES
    MCGUIRE AFB
     DENTAL CLINIC                                      3,900                 150
      MCGUIRE AFB                                                    3,900


NEW MEXICO
  STRATEGIC DEFENSE INITIATIVE ORGANIZATION
    WHITE SANDS MISSILE RANGE
     HIGH ENDO DEFENSE INTERCEPTOR LAUNCH CMPLX         1,930                  69
      WHITE SANDS MISSILE RANGE                                      1,930

  DEFENSE LEVEL ACTIVITIES
    KIRTLAND AFB
     ADD/ALTER COMPOSITE MEDICAL FACILITY              25,550                 154
      KIRTLAND AFB                                                  25,550

  DEFENSE NUCLEAR AGENCY
    KIRKLAND AFB
     POWER UPGRADE BUILDING NBR 20078                     900                 294
      KIRKLAND AFB                                                     900
                                                               -----------
**NEW MEXICO                                                        28,380


NEW YORK
  DEFENSE LEVEL ACTIVITIES
    GOVERNORS ISLAND
     ELEM/JR HIGH SCHOOL ADDITION/ROOF REPAIR           2,000                  53
      GOVERNORS ISLAND                                               2,000
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

      ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
          INSIDE THE UNITED STATES
               ($ THOUSANDS)
STATE/COMP./INSTALLATION
--------------------PROJECT NAME----------------  PROJ COST       TOTAL
                                                  ----------  ----------
NORTH CAROLINA
  DEFENSE LEVEL ACTIVITIES
    CAMP LEJEUNE
      MEDICAL AND DENTAL CLINIC                        3,900                  158
      TARAWA TERR/STONE ST/DELALIP ELEM ADDITION       1,190                   56
       CAMP LEJEUNE                                                5,090

OHIO
  DEFENSE LOGISTICS AGENCY
    DEFENSE CONSTRUCTION SUPPLY CENTER
      IMPROVE LIGHTING                                   580                  296
      IMPROVE WAREHOUSE FACILITIES                       280                  296
       DEFENSE CONSTRUCTION SUPPLY CENTER                                860

PENNSYLVANIA
  DEFENSE LOGISTICS AGENCY
    DEF REUTILIZATION & MARKETING OFC MECHANBG
     SCRAPYARD IMPROVEMENTS                            1,290
      DEF REUTILIZATION & MARKETING OFC MECHANBG                   1,290       87

SOUTH CAROLINA
  DEFENSE LOGISTICS AGENCY
    DEF FUEL SUPPORT CHARLESTON
     FIRE PROTECTION                                     460
      DEF FUEL SUPPORT CHARLESTON                                    460      297

    DEF FUEL SUPPORT POINT NSC CHARLESTON
     FUEL TANKAGE                                      5,130
      DEF FUEL SUPPORT POINT NSC CHARLESTON                        5,130       90
                                                              ----------
  **DEFENSE LOGISTICS AGENCY                                       5,590

TENNESSEE
  DEFENSE LOGISTICS AGENCY
    DEFENSE DEPOT MEMPHIS
     DINING FACILITY                                   1,160
      DEFENSE DEPOT MEMPHIS                                        1,160       93

TEXAS
  DEFENSE LEVEL ACTIVITIES
    BROOKS AFB                                                                161
     ADD/ALTER DRUG ABUSE DETECTION LAB                1,850
      BROOKS AFB                                                   1,850

    FORT HOOD
     TROOP MEDICAL CLINIC                              3,450
      FORT HOOD                                                    3,450      166

    RANDOLPH AFB
     CLINIC/DENTAL CLINIC                             13,700
      RANDOLPH AFB                                                13,700      169
                                                              ----------
  **DEFENSE LEVEL ACTIVITIES                                      19,000

UTAH
  DEFENSE LOGISTICS AGENCY
    DEFENSE DEPOT OGDEN
      ADMINISTRATIVE FACILITIES                        9,780                   96
      TRANSIENT AND VISITOR HOUSING                      620                  293
       DEFENSE DEPOT OGDEN                                        10,400
```

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP /INSTALLATION PROJECT NAME	PROJ COST	TOTAL	
VIRGINIA			
DEFENSE LEVEL ACTIVITIES			
DAHLGREN			
ELEMENTARY/JR HIGH SCHOOL ADDITION	1,130		
DAHLGREN		1,130	59
PENTAGON			
DEMOLITION OF PARKING LOT	2,500		
PENTAGON		2,500	80
QUANTICO			
HIGH SCHOOL ADDITION	420		
QUANTICO		420	300
**DEFENSE LEVEL ACTIVITIES		4,050	
DEF COMMUNICATIONS AGNCY			
PENTAGON			
JDSSC PENTAGON ALTERATION/EXPANSION	2,300		
PENTAGON		2,300	33
**VIRGINIA		6,350	
WASHINGTON			
DEFENSE LEVEL ACTIVITIES			
FORT LEWIS			174
MADIGAN ARMY MEDICAL CENTER PHASE II	72,100		
FORT LEWIS		72,100	
DEFENSE LOGISTICS AGENCY			
DEF FUEL SUPPORT POINT MUKILTEO			99
FUEL PIER	6,360		
DEF FUEL SUPPORT POINT MUKILTEO		6,360	
**WASHINGTON		78,460	
CONUS CLASSIFIED			
DEFENSE LEVEL ACTIVITIES			
CLASSIFIED LOCATION			
CLASSIFIED PROJECT	3,000		
CLASSIFIED LOCATION		3,000	83
NATIONAL SECURITY AGENCY			
CLASSIFIED LOCATION			16
CLASSIFIED PROJECT	4,000		22
CLASSIFIED PROJECT	3,000		19
CLASSIFIED PROJECT	1,000		
CLASSIFIED LOCATION		8,000	
**CONUS CLASSIFIED		11,000	

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

      ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
          INSIDE THE UNITED STATES
               ($ THOUSANDS)
   STATE/COMP / INSTALLATION                           PROJ COST     TOTAL
-- -------------------PROJECT NAME---------------  ----------  ----------

   TOTALS
   ------

    ARMY

    NAVY

    AIR FORCE

    DEFENSE AGENCIES                                                454,480
         AUTHORIZED IN PRIOR YEAR                                  (87,900)
                                                                 ----------
   INSIDE THE UNITED STATES                                         454,480
         AUTHORIZED IN PRIOR YEAR                                  (87,900)
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES         DATA AS OF 04 FEB 1986
      SPECIFIED OUTSIDE THE UNITED STATES
                 ($ THOUSANDS)
STATE/COMP /INSTALLATION                                PROJ COST       TOTAL
-- --------------------PROJECT NAME----------------   ----------   ----------
BELGIUM
  DEFENSE LEVEL ACTIVITIES
    SHAPE HQ - CASTEAU
      ELEMENTARY AND HIGH SCHOOL ADDITION                  1,260                  184
       SHAPE HQ - CASTEAU                                              1,260


BERMUDA
  DEFENSE LEVEL ACTIVITIES
    NAVAL AIR STATION
      ELEMENTARY SCHOOL                                    4,280                  187
       NAVAL AIR STATION                                               4,280


GERMANY
  DEFENSE LEVEL ACTIVITIES
    ASCHAFFENBURG
      ELEMENTARY AND JUNIOR HIGH SCHOOL ADDITION           6,600                  190
       ASCHAFFENBURG                                                   6,600

    BAD KISSINGEN
      ELEMENTARY SCHOOL ADDITION                           1,330                  193
       BAD KISSINGEN                                                   1,330

    BAUMHOLDER
      SMITH ELEMENTARY SCHOOL ADDITION                     1,600                  196
       BAUMHOLDER                                                      1,600

    BOEBLINGEN
      DISPENSARY AND DENTAL CLINIC                         3,980                  264
       BOEBLINGEN                                                      3,980

    DEXHEIM
      ELEMENTARY SCHOOL ADDITION                           2,430                  199
       DEXHEIM                                                         2,430

    ERLANGEN
      ELEMENTARY SCHOOL ADDITION                           3,220                  202
       ERLANGEN                                                        3,220

    GELNHAUSEN
      ELEMENTARY SCHOOL ADDITION                           1,130                  205
       GELNHAUSEN                                                      1,130

    GRAFENWOEHR
      DISPENSARY AND DENTAL CLINIC                         3,980                  264
      ELEMENTARY SCHOOL ADDITION                           2,500                  208
       GRAFENWOEHR                                                     6,480

    HAHN AIR BASE
      HIGH SCHOOL ADDITION                                 3,470                  211
       HAHN AIR BASE                                                   3,470

    HEIDELBERG
      ELEMENTARY AND HIGH SCHOOL                           3,190                  214
       HEIDELBERG                                                      3,190

    HESSISCH-OLDENDORF
      ELEMENTARY SCHOOL                                    2,310                  217
       HESSISCH-OLDENDORF                                              2,310.

    HOHENFELS
      ELEMENTARY SCHOOL ADDITION                           1,190                  220
       HOHENFELS                                                       1,190

    KAISERLAUTERN AIR BASE
      ELEMENTARY AND HIGH SCHOOL ADDITION                  7,800                  223
       KAISERLAUTERN AIR BASE                                          7,800
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED
      ACTIVE, GUARD AND RESERVE FORCES
     SPECIFIED OUTSIDE THE UNITED STATES        DATA AS OF 04 FEB 1986
                ($ THOUSANDS)
  STATE.COMP /INSTALLATION
-- ------------------PROJECT NAME---------------     PROJ COST      TOTAL
  GERMANY                                           ----------  ----------
    DEFENSE LEVEL ACTIVITIES
      KARLSRUHE
       DISPENSARY AND DENTAL CLINIC
        KARLSRUHE                                        6,800                 268
                                                                     6,800

      NUERNBERG
       ELEMENTARY SCHOOL
        NUERNBERG                                        8,580                 226
                                                                     8,580

      SCHWAEBISCH GMUEND
       ELEMENTARY SCHOOL ADDITION
        SCHWAEBISCH GMUEND                               1,840                 229
                                                                     1,840

      STUTTGART
       ELEMENTARY AND JUNIOR HIGH SCHOOL ADDITION
        STUTTGART                                        4,530                 232
                                                                     4,530

      VILSECK
       DISPENSARY AND DENTAL CLINIC
        VILSECK                                          5,600                 270
                                                                     5,600

      WUERZBURG
       MIDDLE SCHOOL
        WUERZBURG                                        7,760                 235
                                                                     7,760
    **DEFENSE LEVEL ACTIVITIES                                      ----------
                                                                    79,360

    DEFENSE LOGISTICS AGENCY
      DEF REUTILIZATION & MARKETING OFC BITBURG
       COVERED STORAGE
        DEF REUTILIZATION & MARKETING OFC BITBURG          650                 299
                                                                       650
  **GERMANY                                                         ----------
                                                                    80,010

  ITALY
    DEFENSE LEVEL ACTIVITIES
      NAPLES
       ELEMENTARY AND HIGH SCHOOL                       19,580                 238
       REPLACEMENT HOSPITAL                             29,300                 273
        NAPLES                                                      48,880

  JAPAN
    DEFENSE LOGISTICS AGENCY
      DEF FUEL SUPPORT POINT CHIMU WAN OKINAWA
       FUEL TANKAGE
        DEF FUEL SUPPORT POINT CHIMU WAN OKINAWA         6,640                 248
                                                                     6,640

      DEF FUEL SUPPORT POINT TSURUMI
       FUEL TANKAGE
        DEF FUEL SUPPORT POINT TSURUMI                   3,520                 251
                                                                     3,520
    **DEFENSE LOGISTICS AGENCY                                      ----------
                                                                    10,160

  KOREA
    DEFENSE LEVEL ACTIVITIES
      CAMP EDWARDS
       HEALTH/DENTAL CLINIC
        CAMP EDWARDS                                     1,800                 279
                                                                     1,800

      CAMP LONG
       DISPENSARY/DENTAL CLINIC
        CAMP LONG                                        1,890                 281
                                                                     1,890
```

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES   DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL	
KOREA			
DEFENCE LEVEL ACTIVITIES			
CAMP PELHAM			
TROOP AID STATION	720		302
CAMP PELHAM		720	
SEOUL			
HIGH SCHOOL UPGRADING	510		301
SEOUL		510	
**DEFENSE LEVEL ACTIVITIES		4,880	
DEFENSE LOGISTICS AGENCY			
DEF FUEL SUPPORT POINT TOEGYEWON			
FUEL TANKAGE	1,010		254
DEF FUEL SUPPORT POINT TOEGYEWON		1,010	
DEF REUTILIZATION & MARKETING OFC BUPYONG			
COVERED STORAGE	1,290		257
DEF REUTILIZATION & MARKETING OFC BUPYONG		1,290	
**DEFENSE LOGISTICS AGENCY		2,300	
**KOREA		7,180	
KWAJALEIN			
STRATEGIC DEFENSE INITIATIVE ORGANIZATION			
MISSILE RANGE			
TARGET LAUNCH COMPLEX	1,340		244
MISSILE RANGE		1,340	
NETHERLANDS			
DEFENSE LEVEL ACTIVITIES			
CAMP NEW AMSTERDAM			
CLINIC/DENTAL CLINIC	6,000		254
CAMP NEW AMSTERDAM		6,000	
WOENSDRECHT			
ELEMENTARY AND HIGH SCHOOL ADDITION	7,420		241
WOENSDRECHT		7,420	
**DEFENSE LEVEL ACTIVITIES		13,420	
TOTALS			
ARMY			
NAVY			
AIR FORCE			
DEFENSE AGENCIES		188,540	
SPECIFIED OUTSIDE THE UNITED STATES		188,540	

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 04 FEB 1986
            UNSPECIFIED WORLDWIDE
                 ($ THOUSANDS)
 STATE/COMP./INSTALLATION
 -------------------PROJECT NAME---------------   PROJ COST       TOTAL
 WORLDWIDE UNSPECIFIED                            ----------  ----------
   CONTINGENCY CONSTRUCTION
     DEFENSE LEVEL ACTIVITIES
       CONTINGENCY CONSTRUCTION                       5,000                 287
                                                                   5,000
   UNSPECIFIED MINOR CONSTRUCTION
     DEFENSE LEVEL ACTIVITIES
       UNSPECIFIED MINOR CONSTRUCTION                 4,000                 289
                                                                   4,000
   PLANNING AND DESIGN
     DEFENSE LEVEL ACTIVITIES
       PLANNING AND DESIGN                          110,700                 291
                                                                 110,700
 WORLDWIDE UNSPECIFIED                                        ----------
                                                                 119,700

 WORLDWIDE VARIOUS
   DEFENSE LOGISTICS AGENCY
     VARIOUS LOCATIONS-WORLDWIDE VARIOUS
       CONFORMING STORAGE FACILITIES
        VARIOUS LOCATIONS                            21,400                 103
                                                                  21,400
 WORLDWIDE VARIOUS                                            ----------
                                                                  21,400
 TOTALS
 ------

  ARMY

  NAVY

  AIR FORCE

  DEFENSE AGENCIES
                                                                 141,100
  UNSPECIFIED WORLDWIDE                                       ----------
                                                                 141,100
```

FY 1987 MILITARY CONSTRUCTION, DEFENSE AGENCIES

APPROPRIATION LANGUAGE

Military Construction, Defense Agencies

(Including Transfer of Funds)

For acquisition construction, installation, and equipment of temporary or permanent public works, installations, facilities, and real property for activities and agencies of the Department of Defense (other than the military departments), as currently authorized by law, [$181,375,000] $762,100,000, to remain available until September 30, [1990] 1991. Provided, that such amounts of this appropriation as may be determined by the Secretary of Defense may be transferred to such appropriations of the Department of Defense available for military construction as he may designate, to be merged with and to be available for the same purposes, and for the same time period, as the appropriation or fund to which transferred: Provided further, that of the amount appropriated, not to exceed [$27,500,000] $110,700,000, shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor. (10 U.S.C. 2802-05, 2807, 2852-54, 2857; Military Construction Appropriations Act, 1986, as included in Public Law 98-473; additional authorizing legislation to be proposed.)

Military Construction, Defense Agencies
Program and Financing (in Thousands of dollars)

Identification code 97-0500-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction	271,198	151,175	647,400	303,841	234,385	412,378
00.0201	Minor construction	3,500	2,700	4,000	5,391	5,723	3,702
00.0301	Planning	27,500	27,500	110,700	23,912	27,420	83,000
10.0001	Total	302,198	181,375	762,100	333,144	267,528	499,080
	Financing:						
17.0001	Recovery of prior year obligations				-12,338		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-301,150	-277,041	-190,888
21.4007	Reprograming from/to prior year budget pla	-5,501					
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				277,041	190,888	453,908
25.0001	Unobligated balance lapsing	5,501			5,501		
40.0001	Budget authority (Appropriation)	302,198	181,375	762,100	302,198	181,375	762,100
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net				333,144	267,528	499,080
72.4001	Obligated balance, start of year				306,825	416,384	430,168
74.4001	Obligated balance, end of year				-416,384	-430,168	-669,498
77.0001	Adjustments in expired accounts				-596		
78.0001	Adjustments in unexpired accounts				-12,338		
90.0001	Outlays				210,652	253,744	259,750

Military Construction, Defense Agencies
Object Classification (in Thousands of dollars)

Identification code 97-0500-0-1-051

		1985 actual	1986 est.	1987 est.
	Direct obligations:			
	Other services:			
125.003	Contracts	15,630	30,420	38,528
132.001	Lands and structures	317,514	237,108	460,552
199.001	Total Direct obligations	333,144	267,528	499,080
999.901	Total obligations	333,144	267,528	499,080

MILITARY CONSTRUCTION, DEFENSE AGENCIES
FY 1987
SPECIAL PROGRAM CONSIDERATIONS

POLLUTION ABATEMENT

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

ENERGY CONSERVATION

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

FLOODPLAIN MANAGEMENT AND WETLANDS PROTECTION

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of flood plains and the protection of wetlands by avoiding long- and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL

In accordance with Public Law 90480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

PRESERVATION OF HISTORICAL SITES AND STRUCTURES

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places except as noted on DD Form 1391.

PLANNING IN THE NATIONAL CAPITAL REGION

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the Commission's annual review of the Five-Year Defense Program (FYDP). Construction projects within the District of Columbia with the exception of the Bolling/Anacostia area are submitted to the commission for approval prior to the start of construction.

ENVIRONMENTAL PROTECTION

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (P.L. 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

ECONOMIC ANALYSIS

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives can be evaluated, a primary economic analysis was prepared and the results indicated on the DD Form 1391.

READEX FICHE

MILITARY CONSTRUCTION, DEFENSE AGENCIES
FY 1987
COMMAND SUMMARY - AGENCY/ACTIVITY REQUEST

Agency/Activity	Authorization	Appropriation
Defense Mapping Agency	$ 16,700,000	$ 16,700,000
National Security Agency	17,570,000	71,270,000
Defense Nuclear Agency	4,890,000	4,890,000
Defense Communications Agency	9,900,000	9,900,000
Department of Defense Dependent Schools	109,800,000	109,800,000
Strategic Defense Initiatives Organization	10,300,000	10,300,000
Secretary of Defense Activities		
Defense Language Institute	5,400,000	5,400,000
Classified Activities	3,000,000	3,000,000
Other	2,500,000	2,500,000
Defense Logistics Agency	60,850,000	60,850,000
Defense Medical Support Activity	178,300,000	337,900,000
Joint Tactical C^3 Agency	9,890,000	9,890,000
Emergency Construction	5,000,000	5,000,000
Minor Construction	4,000,000	4,000,000
Planning and Design	110,700,000	110,700,000
Total	$ 548,800,000	$ 762,100,000

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

      ACTIVE, GUARD AND RESERVE FORCES         DATA AS OF 04 FEB 1986
          INSIDE THE UNITED STATES
               ($ THOUSANDS)
STATE/COMP./INSTALLATION
-------------------PROJECT NAME---------------   PROJ COST      TOTAL
MISSOURI                                         ----------  ----------
  DEFENSE MAPPING AGENCY
    DMA AEROSPACE CENTER
     DIGITAL PRODUCTION FACILITIES                   16,700
      DMA AEROSPACE CENTER                                       16,700
```

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
DMA		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
Defense Mapping Agency Aerospace Center, St Louis, MO	DMAAC	1.05

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 15 Sep 85	38	12	3,751				40	28	43	3,862
b. END FY 19 91	38	12	3,976				40	28	50	4,094

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	66
b. INVENTORY TOTAL AS OF 30 Sep 85	37,308
c. AUTHORIZATION NOT YET IN INVENTORY	22,100
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	76,108

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
228	Digital Production Facilities	85,400 SF	$16,700	1/85	7/86

9. FUTURE PROJECTS: NONE

10. MISSION AND MAJOR FUNCTIONS: The mission of the Aerospace Center is to provide aerospace mapping, charting and geodetic products, data and services to the Armed Forces of the United States and to other Department of Defense and Federal Agencies. The Center produces, distributes and maintains aeronautical charts, air target materials and special products in support of aerospace and missile weapon systems.

11. OUTSTANDING POLLUTION AND SAFETY (OSHA) DEFICIENCIES:

a. Air Pollution	None
b. Water Pollution	None
c. Safety and Occupational Health	None

1 COMPONENT DMA	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3 INSTALLATION AND LOCATION Defense Mapping Agency Aerospace Center St Louis, MO	4. PROJECT TITLE Digital Production Facilities

5 PROGRAM ELEMENT 35139 B TIARA	6 CATEGORY CODE 228-229	7. PROJECT NUMBER A-004	8. PROJECT COST ($000) $16,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Digital Production Facilities	SF	85,400	147.01	$12,565
2-Floor Addition on Bldg 36, E-Wing	SF	60,000	162.26	(9,532)
Renovations to Bldg 89002	SF	25,400	122.09	(3,033)
Supporting Utilities	LS	-	-	$ 2,582
Electrical Distribution	LS	-	-	(2,582)
TOTAL COST				$15,147
CONTINGENCY (5%)				758
ESTIMATED CONTRACT COST				$15,905
SUPERVISION, INSPECTION & OVERHEAD (5%)				795
TOTAL REQUEST				$16,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a 2 floor addition and freight elevator to E Wing of Building 36 and modify Building 89002, Section 3. The proposed 2 floor addition shall match the existing concrete frame building and be designed for seismic Zone 2 construction. The entire area will be constructed to meet special security requirements. Included in the proposed construction are: RF shielding; electrical power distribution; HVAC equipment with controls; elevators; raised flooring; suspended ceilings; recessed fluorescent lighting; vinyl flooring; vaults; chilled water, steam and condensate piping; compressed air system and plumbing lines; and fire protection systems with alarms tied into existing centralized control system. Modifications to Building 89002 include conversion of 25,400 SF of warehouse space to administrative space.

11. PROJECT: The 60,000 gross SF 2 floor addition will provide a total of 48,300 SF of net usable secure production space. The addition will accommodate production equipment in support of the all digital (soft copy) production program. The conversion of 25,400 gross SF of warehouse space to administrative space will provide 19,000 net SF to accommodate the relocation of collateral functions displaced by soft copy production equipment.

REQUIREMENT: This project is required to accommodate new production equipment scheduled for delivery beginning in April 1989. The current definition of space requirements dictates that additional production facilities are needed to accommodate all of the new soft copy production systems. The facility requirements necessary to support these "state of the

1. COMPONENT DMA	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION Defense Mapping Agency Aerospace Center St Louis, MO		
4. PROJECT TITLE Digital Production Facilities		5. PROJECT NUMBER A-004

art" systems were not firmly defined until this past year.
CURRENT SITUATION: Currently the Aerospace Center operates some functions on a three shift basis and has compressed production and support areas below the minimum for efficient operations. Existing production facilities will accommodate the initial equipment (termed MARK 85) deliveries that occur in 1985 and 1986. These equipments allow for production on existing analog and hard copy equipment, utilizing new and multiple materials. However, there is not sufficient production space to accommodate the full digital production systems (termed MARK 90) scheduled for delivery beginning April 1989. The existing facilities will only accommodate approximately 37,700 net SF of the total 105,000 net SF space requirement to accommodate the MARK 90 production systems.
IMPACT IF NOT PROVIDED: If the additional space is not provided, the Aerospace Center can not accommodate the new digital production technology, and therefore will be unable to provide much of the essential mapping, charting, and geodetic products needed for military weapons systems such as, the Manned Strategic Bomber, Cruise Missile, Ballistic Missile, and other advanced tactical aircraft systems.

DESIGN STATUS

(1) Date of Design Initiation: 11 Jun 1985
(2) Percent Design Complete by 1 Jan 1986: 35%
(3) Percent Design Complete by 1 Oct 1986: 100%
(4) Projected Date of Design Completion: 1 Oct 1986

BASIS: Standardized Design: No

COST OF DESIGN

(1) Cost to Produce Plan and Specifications: $823,000
(2) All other costs of Design: $319,000
(3) Total Cost: $1,142,000
(4) Amount spent on Contracts: $986,000
(5) Amount spent in-house: $156,000

CONSTRUCTION START DATE: Jan 1987

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MARYLAND		
NATIONAL SECURITY AGENCY		
FORT MEADE		
CONNECTOR ROAD	5,200	
.R&D FACILITY	53,700	
ROAD IMPROVEMENTS	4,370	
FORT MEADE		63,270
CONUS CLASSIFIED		
NATIONAL SECURITY AGENCY		
CLASSIFIED LOCATION		
CLASSIFIED PROJECT	4,000	
CLASSIFIED PROJECT	3,000	
CLASSIFIED PROJECT	1,000	
CLASSIFIED LOCATION		8,000

1. COMPONENT NSA/CSS Defense	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 1 Jan 86
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland	4. COMMAND NSA/CSS	5. AREA CONSTR COST INDEX 0.95

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19			C L	A S	S I	F I	E D			

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 179.6 (TRFD w/o CH)	
b. INVENTORY TOTAL AS OF 30 Sept 85	149,531
c. AUTHORIZATION NOT YET IN INVENTORY	154,236
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	64,270
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	17,600
f. PLANNED IN NEXT THREE PROGRAM YEARS	124,288
g. REMAINING DEFICIENCY	269,786
h. GRAND TOTAL	779,711

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317	Research & Engineering Facility	640,000 SF	53,700	4/84	8/86
851	Connector Road	LS	5,200	3/85	10/86
141	TEMPEST Shielding OPS 1 Roof	299,300 SF	1,000	12/85	5/86
851	Road Improvements	LS	4,370	9/85	10/86

9. FUTURE PROJECTS:

a. Included in the following program (FY 88): $17.6M Bay Model.
b. Included in the next three years (FY 89 - 91): $124.3 Bay Model, TEMPEST Shielding, Classified Material Upgrade, SAB 4 Addition, National Cryptologic Training Facility, SAB 1 Modernization, Land Acquisition.

10. MISSION OR MAJOR FUNCTIONS:

Agency Activities are classified.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a.	Air Pollution	-0-
b.	Water Pollution	-0-
c.	Occupational Safety and Health	-0-

1 COMPONENT NSA/CSS Defense	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE 23 Jan 86

3 INSTALLATION AND LOCATION Fort George G. Meade, Maryland	4 PROJECT TITLE Connector Road

5 PROGRAM ELEMENT 31011G	6 CATEGORY CODE 851	7 PROJECT NUMBER 0700-5	8 PROJECT COST ($000) $ 5,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	LS			3,668
Road Construction	LS			(1,480)
Bridge over Baltimore Washington Pkwy	LS			(500)
Bridge Over Clark Road	LS			(200)
Land Acquisition (Right of Way) and Utilities	LS			(1,100)
Signalization	LS			(388)
Supporting Facilities (Plate 1)				813
Total Cost				4,481
Contingency (10%)				428
Total Contract Cost				4,929
Supervision, Inspection, and Overhead (5.5%)				271
Total Request				5,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Construction of a dedicated directional road connection from the NSA Complex to the Baltimore-Washington Parkway (B/W Parkway). It includes new roadway, a partial interchange, signalization, and improvements to Canine Road. The project requires the acquisition of approximately ten acres of land and the construction of ramps, bridges, roadways, utilities, and supporting features.

11. REQUIREMENT: One road; Adequate: -0-; Substandard: -0-

PROJECT: This project will construct a connector road from the B/W Parkway to the National Security Agency.

REQUIREMENT: Military Traffic Management Command (MTMC) prepared a traffic impact study for the NSA Headquarters Complex in response to an Agency request. MTMC recommended construction of the Connector Road with the Federal Highway Administration concurrence. This project will improve access/egress from the NSA Complex to the B/W Parkway. MTMC projects that 17% of the traffic to the Headquarters Complex will use this road connection to access/egress the B/W Parkway for trips to and from Baltimore. This will reduce Savage Road peak hour traffic and permit development of viable intersections on Savage Road.

1. COMPONENT NSA/CSS Defense	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 23 Jan 86
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE Connector Road		5. PROJECT NUMBER 0700-5

11. REQUIREMENTS: (Continued)

CURRENT SITUATION: MTMC determined that the level of service of the current road network does not meet DoD standards. They have identified five major areas where the level of service is not acceptable. MTMC also determined that the existing road network is not capable of handling the projected traffic flows that will result from programmed Agency growth. MTMC predicts extreme congestion, vehicle delay, and increased accident potential unless improvements are made to the access roads to the Headquarters Complex.

IMPACT IF NOT PROVIDED: A serious deterioration in traffic conditions at the NSA Complex will occur. This will increase the potential for serious traffic accidents and will exacerbate existing traffic congestion.

NOTE: Costs were based upon a feasibility study conducted by the Federal Highway Administration.

9. Cost Estimates (Continued)

	Unit U/M	QNTY	Cost ($000)
Supporting Facilities			813
Gatehouse	LS		(100)
Relocation of Old Clark Road	LS		(200)
Guardrail	LS		(100)
Drainage	LS		(163))
Reconstruction of Parking Areas and Intersections	LS		(100)
Miscellaneous Site and Road Improvements	LS		(50)
Utilities	LS		(100)

1. COMPONENT NSA/CSS Defense	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 04 Feb 86
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE Connector Road		5. PROJECT NUMBER 0700-5

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	March 1985
b. Percent Complete as of January 1,	43
c. Percent Complete as of October 1,	100
d. Date Design Complete	Oct 1986

2. BASIS

a. Standard or Definitive Design - Yes ____ No X
b. Where Design Was Most Recently Used N/A

3. COST (Total)= c = a+b = d+e

	($000)
a. Production of Plans and Specifications	(240)
b. All Other Design Costs	(10)
c. Total	(250)
d. Contract	(200)
e. In-house	(50)

4. CONSTRUCTION START April 1987 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
N/A			

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1 COMPONENT NSA/CSS Defense	**FY 19~~86~~87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE 04 Feb 86

3 INSTALLATION AND LOCATION Fort George G. Meade, MD	4 PROJECT TITLE Research & Engineering Facility

5 PROGRAM ELEMENT 31011G	6 CATEGORY CODE 317	7 PROJECT NUMBER 9015-3	8 PROJECT COST ($000) 75,064

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Construct research and engineering facility	LS			75,064
Funding requested in FY 1986				(21,364)
Funding requested in FY 1987				(53,700)

10 DESCRIPTION OF PROPOSED CONSTRUCTION

This project includes construction of a multi-story research and engineering facility. Site work includes 2,200 parking spaces (structure and surface), utilities extension and relocations, access roads, and ground improvements.

11. REQUIREMENT: 620,000 SF; Adequate: -0-; Substandard: 285,900 SF

Project: This project will construct a 620,000 square foot research and engineering building with supporting facilities including a cafeteria.

Requirement: A 620,000 square foot building with special research laboratory facilities is required to meet mission requirements.

Impact If Not Provided: Denial of FY 1986 funds for this project will have a deleterious effect on the research and engineering effort.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

U.S. G.P.O. 1984-420-979/13678

1. COMPONENT NSA/CSS Defense	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4 Feb 86
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE Research & Engineering Facility		5. PROJECT NUMBER 9015-3

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started Apr 84
b. Percent Complete as of January 1, 95
c. Percent Complete as of October 1, 100
d. Date Design Complete Mar 86

2. BASIS

a. Standard or Definitive Design - Yes ____ No X
b. Where Design Was Most Recently Used N/A

3. COST (Total)= c = a+b = d+e ($000)

a. Production of Plans and Specifications (2,300)
b. All Other Design Costs (475)
c. Total (2,775)
d. Contract (2,575)
e. In-house (200)

4. CONSTRUCTION START Apr 86 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Plant Equip/Comms & Security	Procurement	FY 88	10,000
Research	Procurement	FY 88	3,000

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF. PAGE NO

1 COMPONENT NSA/CSS Defense	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE 23 Jan 86

3 INSTALLATION AND LOCATION Fort George G. Meade, Maryland	4 PROJECT TITLE Road Improvements

5 PROGRAM ELEMENT 31011G	6 CATEGORY CODE 851	7 PROJECT NUMBER 0197-5	8 PROJECT COST ($000) $4,370

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,270
Site Preparation	LS			(653)
Pavement	LS			(1,221)
Curb and Gutter	LS			(414)
Signalization	LS			(185)
Intersection Improvements	LS			(218)
Protection of Sensitive Facilities	LS			(579)
Support Facilities (Plate 1)				675
Subtotal				3,945
Contingency (5%)				197
Total Contract Cost				4,142
Supervision, Inspection, and Overhead (5.5%)				228
Total Request				4,370

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Construction of internal road network improvements recommended by Military Traffic Management Command (MTMC). The project includes site preparation, new pavements, intersection improvements, signalization, curbs and gutters, and the protection of sensitive facilities immediately adjacent to the roadway. The project also includes relocation of utilities, drainage structures, sidewalks, replacement parking, landscaping, and other features essential to improvement of the road network.

11. REQUIREMENT: One internal road network; Adequate: 0;
Substandard: 1.

PROJECT: This project will construct major improvements to the internal road network at the NSA Headquarters Complex.

REQUIREMENT: This project is required to improve the road network to preclude extreme congestion and vehicle delay. It is required to upgrade the internal road network to accommodate a planned 51% increase in parking spaces being built for new operational facilities. The project will align the road network to accept the reorientation of the access/egress routes resulting from the Maryland State Highway Administration (SHA) construction of the Patuxent Freeway through the Fort Meade reservation. The freeway follows the western boundary of the NSA Headquarters complex and this mandates improvements to the internal road network for an effective interface.

1. COMPONENT NSA/CSS Defense	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 23 Jan 86
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE Road Improvements		5. PROJECT NUMBER 0197-5

11. REQUIREMENT: (Continued)

CURRENT SITUATION: The current access/egress traffic patterns and volume exceed the capacity of our internal road network. The present road network must be improved to properly interface with the Patuxent Freeway.

IMPACT IF NOT PROVIDED: Interface between the Patuxent Freeway and the NSA internal road network will be disrupted, traffic flow will be inhibited, and the potential for traffic accidents will increase.

9. COST ESTIMATES (Continued)

Item	U/M	Qnty	Unit Cost	Cost (000)
Supporting Facilities				675
Utilities Relocation	LS			(299)
Drainage	LS			(113)
Replacement Parking	LS			(75)
Sidewalk	LS			(5)
Landscaping	LS			(183)

☆U.S.G.P.O.1984-420-079/13671

1. COMPONENT NSA/CSS Defense	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 1 Jan 86

3. INSTALLATION AND LOCATION

Fort George G. Meade, Maryland

4. PROJECT TITLE Road Improvements	5. PROJECT NUMBER 0197-5

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Sept 85
b. Percent Complete as of January 1, 1986	*
c. Percent Complete as of October 1, 1986	100
d. Date Design Complete	Oct 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X

b. Where Design Was Most Recently Used N/A

3. COST (Total)= c = a+b = d+e

	($000)
a. Production of Plans and Specifications	(222)
b. All Other Design Costs	(48)
c. Total	(270)
d. Contract	(222)
e. In-house	(48)

4. CONSTRUCTION START Apr 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
N/A			

*Road Improvement Concept Study was submitted in November 1985 and reviewed and completed by the end of December 1985

1 COMPONENT NSA/CSS Defense	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 1 Jan 86
3 INSTALLATION AND LOCATION Classified Activities Classified Locations	4. COMMAND NSA/CSS	5. AREA CONSTR COST INDEX Varies

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a AS OF			C L A S S I F I E D							
b END FY 19										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE
b INVENTORY TOTAL AS OF
c AUTHORIZATION NOT YET IN INVENTORY
d AUTHORIZATION REQUESTED IN THIS PROGRAM
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f PLANNED IN NEXT THREE PROGRAM YEARS
g REMAINING DEFICIENCY
h GRAND TOTAL

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141	Operations Complex Additions	15,000 SF	4,000	4/85	9/86
911	Operations Facility Land	222 AC	3,000	N/A	

9. FUTURE PROJECTS:

a. Included in the following program (FY 1988): $33.5M
Operations Facility, Operations Building Addition.
b. Included in the next three years (FY 1989-91): $45.7M
Storage Facility, Power Upgrade, OPS Link Block,
HQ Building.

10. MISSION OR MAJOR FUNCTIONS:

Agency Activities are classified.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
a. Air Pollution	-0-
b. Water Pollution	-0-
c. Occupational Safety and Health	-0-

1 COMPONENT NSA/CSS Defense	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 23 Jan 86

3 INSTALLATION AND LOCATION Classified Activity Classified Location	4 PROJECT TITLE Operations Complex Additions

5 PROGRAM ELEMENT 31011G	6 CATEGORY CODE 141	7 PROJECT NUMBER 1047-5	8 PROJECT COST ($000) $4,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,127
Basic Building Addition	SF	22,000	$119.30	(2,625)
Special Features	LS			(502)
Supporting Facilities				483
Site Work	LS			(198)
Utilities	LS			(285)
Subtotal				3,610
Contingency (5%)				181
Total Contract Cost				3,791
Supervision, Inspection & Overhead (5.5%)				209
Total Request				4,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Construct 22,000 square feet of additions to permanent secure facilities for NSA activities. Construction includes site improvements and the integration of the additions with the existing buildings. The additions include data processing space, a communications center, and supporting administrative space. Exterior utilities will be extended to tie-in with existing water, sewage, and electrical services nearby. Access roads, parking areas, service areas, walks, exterior lighting and minor drainage structures will be required. Proprietary items for security control and locking devices will be designated when necessary.

Design and construction will conform to DoD Construction Criteria Manual 4270.1M, applicable standards for the handicapped and commerically accepted construction concepts and procedures.

11. REQUIREMENT: 56,164 SF; Adequate: 34,164 SF;
Substandard: -0-.

PROJECT: Construct permanent additions to existing operations buildings.

REQUIREMENT: Additional space is required to support operational, communications, and administrative functions for an NSA activity.

1 COMPONENT NSA/CSS Defense	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 23 Jan 86
3 INSTALLATION AND LOCATION Classified Activity Classified Location		
4 PROJECT TITLE Operations Complex Additions		5. PROJECT NUMBER 1047-5

11. REQUIREMENTS: (Continued)

CURRENT SITUATION: Current facility assets at the station do not have sufficient space to meet operational and security requirements.

IMPACT IF NOT PROVIDED: Mission accomplishment will be seriously hampered due to the lack of facilities for technical personnel and equipments.

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1. COMPONENT		2. DATE
NSA/CSS Defense	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	1 Jan 86

3. INSTALLATION AND LOCATION
Classified Activity
Classified Location

4. PROJECT TITLE	5. PROJECT NUMBER
Operations Complex Additions	1047-5

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	10 Apr 85
b. Percent Complete as of 1 January 1986	35
c. Percent Complete as of 1 October 1986	100
d. Date Design Complete	30 Sep 86

2. BASIS

a. Standard of Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used N/A

3. COST (Total) = c = a+b = d+e

	($000)
a. Production of Plans and Specifications	(195)
b. All Other Design Costs	(105)
c. Total	(300)
d. Contract	(0)
e. In-house	(300)

4. CONSTRUCTION START — Mar 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

1 COMPONENT NSA/CSS Defense	**FY 19_87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE 04 Feb 86

3 INSTALLATION AND LOCATION Fort George G. Meade, Maryland	4 PROJECT TITLE TEMPEST Shielding OPS 1 Roof

5 PROGRAM ELEMENT 31011G	6 CATEGORY CODE 141	7 PROJECT NUMBER	8 PROJECT COST ($000) $1,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TEMPEST Shielding	SF	299,300	3.02	903
Contingency (5%)				45
Total Contract Cost				948
Supervision, Inspection, and Overhead (5.5%)				52
Total Request				1,000
Other Appropriation (O&M)				(9,000)

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Construct an electromagnetic shield for the Operations Building 1 roof. The TEMPEST shielding will be installed between the existing structural concrete slab and the new waterproof roofing material. The shielding of the roof will be done in conjunction with the roof replacement.

11. REQUIREMENT: 299,300 SF; Adequate: -0- Substandard: -0-.

PROJECT: The project will install TEMPEST shielding on the Operations Building 1 roof.

REQUIREMENT: As a step toward securing NSA facilities and concurrent with the replacement of the roof of this facility, a requirement exists to incorporate electromagnetic shielding within the roof of Operations Building 1.

CURRENT SITUATION: At present, DoD TEMPEST zoning standards in this facility are in need of improvement. To rectify this problem, TEMPEST shielding is being accomplished in a phased manner as major facility rehabilitation is accomplished.

☆U.S. G.P.O. 1984-420-979/13178

1. COMPONENT NSA/CSS Defense	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 04 Feb 86
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE TEMPEST Shielding OPS 1 Roof		5. PROJECT NUMBER

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: The condition of the Operations Building 1 roof necessitates its immediate replacement. There is a project in the Agency five year construction program to shield the entire building. If the shielding is not installed when the roof is being replaced, the roof will have to be removed again when the entire building is shielded.

1. COMPONENT NSA/CSS Defense	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 04 Feb 86
3. INSTALLATION AND LOCATION Fort George G. Meade, Maryland		
4. PROJECT TITLE TEMPEST Shielding OPS 1 Roof	5. PROJECT NUMBER 6203-4	

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started Dec 1985
b. Percent Complete as of January 1, 0
c. Percent Complete as of October 1, 100
d. Date Design Complete May 1986

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used N/A

3. COST (Total) = c = a+b = d+e ($000)

a. Production of Plans and Specifications (45)
b. All Other Design Costs (0)
c. Total (45)
d. Contract (45)
e. In-house (0)

4. CONSTRUCTION START March 1987 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
N/A			

1 COMPONENT NSA/CSS Defense	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 04 Feb 86
3 INSTALLATION AND LOCATION Classified Activity Classified Location		4 PROJECT TITLE Operations Facility Land

5 PROGRAM ELEMENT 31011G	6 CATEGORY CODE 911	7 PROJECT NUMBER 1880-5	8 PROJECT COST ($000) $3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Land Acquisition	LS			3,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Acquisiton of land to be used for a new operations facility.

11. REQUIREMENT: 222 Acres; Adequate: -0-; Substandard: -0-.

PROJECT: This project provides the site for the construction of a new operations facility.

REQUIREMENT: The acquisition of this land, for the construction of a new facility, is required to provide more appropriate, low profile location and allow the consolidation of special operations. The consolidation will greatly enhance security and operational functions.

CURRENT SITUATION: These special operations are now using substandard dispersed leased buildings to support this mission. The space is not large enough to support mission growth.

IMPACT IF NOT PROVIDED: Delay in approval of this project will force continued use of leased facilities where mission growth can not be accommodated.

U.S. G.P.O. 1984-420-979/13078

1. COMPONENT NSA/CSS Defense	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 04 Feb 86
3. INSTALLATION AND LOCATION Classified Activity Classified Location		
4. PROJECT TITLE Operations Facility Land		5. PROJECT NUMBER 1880-5

SUPPLEMENTAL DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started N/A*
b. Percent Complete as of January 1, ________
c. Percent Complete as of October 1, ________
d. Date Design Complete ________

2. BASIS

a. Standard or Definitive Design - Yes ___ No ___
b. Where Design Was Most Recently Used ________

3. COST (Total)= c = a+b = d+e ($000)

a. Production of Plans and Specifications (   )
b. All Other Design Costs (   )
c. Total (   )
d. Contract (   )
e. In-house (   )

4. CONSTRUCTION START ________ (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
N/A			

*There is no design required as this is a land acquisition project. A real estate planning report has been completed by the appropriate U.S. Army Engineer District.

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U.S.G.P.O. 1984-420-979/43671

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  FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED
       ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
           INSIDE THE UNITED STATES
                 ($ THOUSANDS)
STATE/COMP./INSTALLATION
-------------------PROJECT NAME----------------   PROJ COST      TOTAL
DISTRICT OF COLUMBIA                              ----------  ----------
  DEFENSE NUCLEAR AGENCY
    NAVAL REARSCH LAB
      PULSE POWER RESEARCH FACILITY
        NAVAL REARSCH LAB                              3.200
                                                                  3.200

MARYLAND
  DEFENSE NUCLEAR AGENCY
    BETHESDA NAVAL HOSPITAL
      RESEARCH SUPPORT BUILDING
        BETHESDA NAVAL HOSPITAL                          790
                                                                    790

NEW MEXICO
  DEFENSE NUCLEAR AGENCY
    KIRKLAND AFB
      POWER UPGRADE BUILDING NBR 20676
        KIRKLAND AFB                                     900
                                                                    900
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1. COMPONENT DNA	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 21 Aug 85
3. INSTALLATION AND LOCATION Defense Nuclear Agency, Washington, DC	4. COMMAND Defense Nuclear Agency	5. AREA CONSTR COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	134	49	313				345	194	778	1317
b. END FY 19 89	149	43	375				379	206	900	1485

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF Not Applicable

c. AUTHORIZATION NOT YET IN INVENTORY N/A

d. AUTHORIZATION REQUESTED IN THIS PROGRAM 12,500

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 4,890

f. PLANNED IN NEXT THREE PROGRAM YEARS 3,850

g. REMAINING DEFICIENCY 31,600

h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310	Addition of Second Floor, Research Support Building, AFRRI, Bethesda, MD	LS	790	8/85	3/86
310	Pulse Power Research Facility Naval Research Laboratory (NRL), Washington, DC	LS	3,200	7/85	6/86
310	Power Upgrade, Building 20676 Kirtland AFB, NM	LS	900	10/85	2/86

9 a. Future Projects - Included in Following Program (FY88):

831	Sewage Treatment Plant, Johnston Atoll	LS	2,400
740	Fitness Center Johnston Atoll	LS	1,000
214	Vehicle Maintenance Facility Johnston Atoll	LS	450

1. COMPONENT DNA	FY 19_8 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 21 Aug 85
3. INSTALLATION AND LOCATION Naval Research Laboratory Washington, DC	4. PROJECT TITLE Pulse Power Research Facility	

5. PROGRAM ELEMENT 62715H	6. CATEGORY CODE 310	7. PROJECT NUMBER	8. PROJECT COST ($000) 3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Pulse Power Research Facility	LS			2,850
Subtotal				2,850
Contingency (5%)				143
Total Contract Cost				2,993
Supervision, Inspection & Overhead (SIO) (5.5%)				165
TOTAL REQUEST				3,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project involves renovating a high bay area in an existing building, (#71). The existing building is a steel frame structure with concrete slab roof and floor with masonary walls. The project will provide a specified area for an X-Ray pulsar to include radiation and electro-magnetic interference shielding, installation of a bridge crane, approximately 2400 SF of office space, laboratory and shop space, humidity control for the pulsar area and air conditioning for the office and laboratory space.

11. REQUIREMENT: Total facility requirement: 14,520 SF. Adequate: 0 SF, Substandard 14,520 SF.

PROJECT: This project will provide the laboratory space needed to yield a high power electrical generator test bed for nuclear weapons effect (NWE) simulation. This pulsed power generator will utilize inductive storage techniques to perform pulse compression. The projected output of 10-15 million amperes at 1 million volts is 3 times what is presently achievable. This will allow the production of X-Ray radiation at a laboratory level that will be extremely useful for NWE testing of military systems.

CURRENT SITUATION: The technology used to build present (existing) X-Ray laboratory simulators is not suitable for expansion to higher output due to economical, mechanical, structural and electrical

1. COMPONENT DNA	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 21 Aug 85
3. INSTALLATION AND LOCATION Naval Research Laboratory, Washington, DC		
4. PROJECT TITLE Pulse Power Research Facility		5. PROJECT NUMBER

limitations. This has led to the need to develop an alternative technology that has the potential to achieve the high powers (100 trillions watts) necessary to perform threat level X-Ray testing. To field such a test bed requires adequate laboratory space to assemble various electrical components and perform experiments to validate concepts. It is highly desirable to have this generator test bed located a a government-owned facility in order to minimize developmental operating costs.

IMPACT IF NOT PROVIDED: The lack of a suitable dedicated government facility for this pulsed electrical generator test bed will impact on the capability to produce the X-Ray environment necessary to test strategic military systems regarding nuclear weapons X-Ray effects. Systems that will be impacted include strategic missiles (peacekeeper, Trident), satellites (DSP), other space based systems (SDI) and command, control, communications and intelligence systems.

1. COMPONENT DNA	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 21 Aug 85
3. INSTALLATION AND LOCATION Naval Research Laboratory, Washington, DC		
4. PROJECT TITLE Pulse Power Research Facility		5. PROJECT NUMBER

12. SUPPLEMENTAL DATA:
a. Estimated design data:
(1) Status:
(a) Date Design Started...................7-85
(b) Percent Complete as of January 1986..... 35
(c) Percent Complete as of October 1986..... 100
(d) Date Design Complete..................... 6-86

(2) Basis:
(a) Standard or Definitive Design Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a) + (b) and (d) + (e): ($000)
(a) Production of Plans and Specifications... 300
(b) All Other Designs Costs.................. 25
(c) Total..................................... 325
(d) Contract.................................. 300
(e) In-house.................................. 25

(4) Construction Start.........................12-86

b. Equipment associated with this project which will be provided from other appropriations:

(1)	Generator	$7,207,880
(2)	Computors	159,210
(3)	Data Acquisition	1,049,410
(4)	Machine Shop	70,500
(5)	Dark Room	8,000
(6)	Heliarc Welding	10,000
(7)	General Equipment	265,000
(8)	Module Assembly and Test System	20,000
(9)	Security/Safety Equipment	10,000
	TOTAL	$8,800,000

```
 FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED
       ACTIVE, GUARD AND RESERVE FORCES           DATA AS OF 04 FEB 1986
           INSIDE THE UNITED STATES
                ($ THOUSANDS)
STATE/COMP./INSTALLATION
-------------------PROJECT NAME---------------    PROJ COST      TOTAL
                                                  ----------  ----------
ILLINOIS
  DEF COMMUNICATIONS AGNCY
    SCOTT AFB
     DECCO COMPUTER CENTER/ADMIN FACILITY
      SCOTT AFB                                       7.600
                                                                 7.600

VIRGINIA
  DEF COMMUNICATIONS AGNCY
    PENTAGON
     JDSSC PENTAGON ALTERATION/EXPANSION
      PENTAGON                                        2.300
                                                                 2.300
```

1. COMPONENT DCA	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION DECCO Scott AFB, IL 62225	4. COMMAND Defense Communications Agency	5. AREA CONSTRUCTI COST INDEX 1.00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	TOTAL
a. AS OF 9/30/85	15	32	219							266
b. END FY 19 91	16	36	250							302

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE ....

b. INVENTORY TOTAL AS OF 0

c. AUTHORIZATION NOT YET IN INVENTORY 0

d. AUTHORIZATION REQUESTED IN THIS PROGRAM 7,600

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0

f. PLANNED IN NEXT THREE PROGRAM YEARS 0

g. REMAINING DEFICIENCY 0

h. GRAND TOTAL 7,600

8. PROJECTS REQUESTED IN THIS PROGRAM -

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
610	Computer Center and Administrative Support Facility		7,600		1 Dec 8

9. FUTURE PROJECTS: NONE

10. MISSION AND MAJOR FUNCTIONS: The Defense Commercial Communications Office (DECCO) establishes contractual arrangements with both regulated and non-regulated telecommunications companies in the communications industry, and procures private line or other communications circuits, facilities, services and equipment world-wide for DoD and other agencies designated by the Director, DCA and OSD. It accounts and pays, on a reimbursable basis, for the communications services procured, and provides management information to manage the Communications Services Industrial Fund. The Allocation and Engineering of the NCS/DCAOC is colocated with DECCO with responsibility of providing circuit allocation and transmission engineering services for the Defense Communications System, provide cost reduction services to authorized DCS users, and administer other telecommunications cost reduction programs within their area of responsibility.

11. OUTSTANDING POLLUTION AND SAFETY (OSHA) DEFICIENCIES:

a. Air Pollution	None
b. Water Pollution	None
c. Safety and Occupational Health	None

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1 COMPONENT DoD DCA	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 1986

3 INSTALLATION AND LOCATION Defense Commercial Communications Office Scott Air Force Base, Illinois	4 PROJECT TITLE Computer Center and Administrative Facility

5 PROGRAM ELEMENT 33998K	6 CATEGORY CODE 610	7 PROJECT NUMBER 111111	8. PROJECT COST ($000) $7,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Computer Center	SF	7,500	208.26	$1,562
Administrative Support Facility	SF	64,400	58.00	3,735
Supporting Facilities				1,559
Electric	LS			(722.5)
Water	LF	210	17.55	(3.7)
Sanitary Sewer	LF	200	23.40	(4.7)
Storm Drainage	LS			(23.4)
Site Improvement	SY	4,000	8.42	(33.7)
Pavements	LS			(171.4)
RF Sheilding	SF	70,000	5.85	(409.5)
Air Conditioning for Computer Center	TN	50	38.02	(190.1)
Subtotal				6,856
Contingency (5%)				343
Total Contract Cost				7,199
Supervision, Inspection, and Overhead (5.5%)				396
Total Request				7,595
Total Request (Rounded)				7,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a fireproof facility with brick exterior complete with supporting utilities, air conditioning, heating, RF sheilding and site support.

11. PROJECT: A 71,900 SF Administrative and Automatic Data Processing Facility to accommodate the management and operational resources of the Defense Commercial Communications Office (DECCO), a field activity of the Defense Communications Agency, and the Allocation and Engineering Directorate, a Field activity of the National Communications System/Defense Communications Agency Operations Center (NCS/DCAOC). The facility will consist of 41,850 SF of Net Office Space, 3,650 SF of Administrative Support Space, and 26,400 SF of Special Purpose Space such as a combined computer facility, drafing room, and areas housing electronic data processing (EDP) equipment.

REQUIREMENT: To replace the current building occupied by DECCO and DCAOC-AED which was constructed in the early days of WW II. Additional space is required to accommodate the increase in manpower and ADP resources provided to DECCO to meet their expanded mission requirements. Extensive efforts to re-design or reconfigure the existing building are impractical and unrecommended.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT DoD DCA	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION
Defense Commercial Communications Office
Scott Air Force Base, Illinois

4. PROJECT TITLE Computer Center and Administrative Facility	5. Project Number 111111

CURRENT SITUATION: The two DCA organizations are presently housed in a WW II wooden building with substandard structural design and is extremely susceptible to fires, water damage and severe weather. The current ADP equipment (inventory value of 2.5 million) is housed in a wood-frame facility with water sprinkler system. This structure is weakened from extensive previous modifications and has no capability for expansion. The DECCO mission scope has significantly increased due to three factors: (1) the divestitute of American Telephone & Telegraph Co., (2) new roles and missions such as Defense Data Network (DDN), the Defense Switched Network (DSN), Oahu Telephone System (OTS), European Telephone System (ETS), and the Defense Commercial Telecommunications Network (DCTN); and (3) ADP support of the General Services Administration circuit data base. DECCO has occupied their present location since the mid-1960's and is projected to remain at Scott AFB, IL indefinitely.

IMPACT IF NOT PROVIDED: DECCO and the DCAOC-AED would be required to continue to operate in an extremely hazardous and inadequate facility where minimum standards cannot be provided and in numerous instances physical standards for safety, security, and controlled access are at or near violation. Damage to or loss of the current wooden computer facility as a result of fire or storm will severely limit DCA's ability to perform its vital communication engineering and procurement mission. The current facility denies a configuration that will promote efficiency and effectiveness in all areas of operations. The lack of adequate space causes lengthy delays in executing the mission of both organizations. This does not provide an acceptable interface with the communications community and degrades the ability of these organizations to effectively conduct their daily operations.

DESIGN STATUS

(1)	Date of Design Initiation:	1 Apr 1984
(2)	Percent Design Complete by 1 Apr 1985:	35%
(3)	Percent Design Complete by 1 Nov 1985:	95%
(4)	Percent Design Complete by 1 Dec 1985:	100%
(5)	Projected Date of Design Completion:	1 Dec 1985

BASIS: Standardized Design: No

CONSTRUCTION START DATE: Jan 87

1. COMPONENT DCA/JDSSC	**FY 1987 MILITARY CONSTRUCTION PROGRAM**	2. DATE Feb 1986
3. INSTALLATION AND LOCATION Joint Data System Support Center Room BE685, Pentagon, Washington, DC	4. COMMAND Defense Communications Agency	5. AREA CONSTRUCTION COST INDEX 1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	127	210	410							747
b. END FY 91	161	258	473							892

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	
b.	INVENTORY TOTAL AS OF	
c.	AUTHORIZATION NOT YET IN INVENTORY	
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	2,300
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	0
h.	GRAND TOTAL	2,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610	Alteration-Expansion of Office Space	22,000 SF	2,300	7/85	3/86

9. FUTURE PROJECTS: None

10. MISSION OR MAJOR FUNCTIONS:
The Joint Data Systems Support Center provides technical support to the National Military Command System, Joint Chiefs of Staff, and the Office of the Secretary of Defense; provides for the recurring releases of the WWMCCS Standard System Software; and provides for the maintenance of the expanding suite of WWMCCS Information System hardware.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a.	Air Pollution	None
b.	Water Pollution	None
c.	Safety and Occupational Health	None

1. COMPONENT DCA/JDSSC	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 1986

3. INSTALLATION AND LOCATION Joint Data Systems Support Center (JDSSC) Room BE685, The Pentagon, Washington, DC	4. PROJECT TITLE Alteration--Expansion of Office Space

5. PROGRAM ELEMENT 32018K	6. CATEGORY CODE 610	7. PROJECT NUMBER 222222	8. PROJECT COST ($000) $2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Architectural/Structural Alteration and improvement to existing JDSSC office space in Pentagon Basement area. Construction to be accomplished in the following priorities:				
a. F & G Ring Area		7300	93	679
b. Corridor 6, Stairwell # 64, North Side		6000	93	558
c. Corridor 6, Stairwell # 64, South Side		8700	93	809
d. Elevator				85
Subtotal				2131
Contingency (5%)				107
Total Contract Cost				2238
Supervision, Inspection and Overhead				62
TOTAL REQUEST				2300

10. DESCRIPTION OF PROPOSED CONSTRUCTION

The proposed project will add a mezzanine level of improved office area in the space above the areas containing office and contractor operations in the basement of the Pentagon. The proposed construction will include approximately 22,000 square feet of area adjacent to the current mezzanine office area which was completed in 1970. Construction features will be similar to that found in the completed mezzanine section with finishes and arrangements suitable for office and special purpose space used in supporting automated data processing operations. Provisions for installing air conditioning similar to that found in other office spaces in the Pentagon is necessary in view of the completely closed-in nature of the basement space. Lighting accommodations should provide approximately 75 foot-candles of illumination at all working surfaces. To meet security requirements, walls will be constructed to specifications required for a secure area and an alarm detecting system installed where required. An elevator system similar to the one in the existing mezzanine is also needed to provide entry and exit for handicapped persons, furniture, and computer equipment. The net useable office space increase will approximate 17,500 square feet. Also included are supporting facilities such as additional electrical power to provide the necessary lighting, toilet facilities, drinking fountains, air handling systems, telephone frame rooms, and access connections to established corridors in the Pentagon.

1. COMPONENT DCA/JDSSC	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 1986
3. INSTALLATION AND LOCATION Joint Data Systems Support Center, Basement - F and G Ring Area The Pentagon, Washington, DC		
4. PROJECT TITLE Alteration of Office Space	222222	

11. REQUIREMENT: 17,500 SF; ADEQUATE: 15,000 SF; SUBSTANDARD: 0

PROJECT: Alteration to F and G ring area on North and South sides of Corridor 6, Stairwell #64, basement of the Pentagon.

REQUIREMENT: At the Pentagon, construction of the mezzanine area will provide an additional 17,500 SF of office floor space and supporting facilities. This will allow computer support personnel to be located near current and planned Automated Data Processing (ADP) equipment. Past requirements for utilizing advanced ADP techniques to support command and control operations, nuclear weapons effect studies, and wargaming have greatly increased the need for computer support area. When constructed, the required facility will provide the working environment to enable the JDSSC to respond to valid information requirements and to complete the timely analysis of plans and concepts of vital concern to our national defense.

CURRENT SITUATION: JDSSC currently occupies 79,924 square feet of space within the Pentagon. The 1983 Annual Space Report shows a projected requirement of 92,120 square feet, or a deficit of 12,196 square feet.

IMPACT IF NOT APPROVED: The JDSSC Pentagon ADP facility is the primary site for NMCS operational and crisis ADP support and for development of future NMCS ADP capabilities. The shortage of office space will impede mission accomplishment, reduce efficiency and create crowded conditions well below minimum acceptable standards for health and safety. Failure to approve this project will prevent timely and efficient improvements in day-to-day NMCS operational support and delay modernization of the WWMCCS Information System (WIS).

DESIGN STATUS:
(1) Date of Design Initiation: 3 Jul 1985
(2) Percent Design Complete by 1 Jan 1986: 75%
(3) Percent Design Complete by 1 Oct 1986: 100%
(4) Projected Date of Design Completion: 31 Mar 1986

BASIS: Standardized Design: No

COST OF DESIGN:
(1) Cost to produce, plan and specifications: $150,000
(2) All other costs of Design: $26,000
(3) Total cost: $176,000
(4) Amount spent on contracts: $176,000
(5) Amount spent in-house: $0

CONSTRUCTION START DATE: 1 Oct 1986

pages tightly bound

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ALABAMA		
DEFENSE LEVEL ACTIVITIES		
FORT MCCLELLAN		
ELEMENTARY SCHOOL ADDITION	2,830	
FORT MCCLELLAN		2,830
GEORGIA		
DEFENSE LEVEL ACTIVITIES		
FORT BENNING		
WHITE ELEM SCHOOL MODERNIZATION/ADDITION	1,080	
FORT BENNING		1,080
ROBINS AIR FORCE BASE		
ROBINS AND LINWOOD ELEM SCHOOL ADDITIONS	2,440	
ROBINS AIR FORCE BASE		2,440
**DEFENSE LEVEL ACTIVITIES		3,520
KENTUCKY		
DEFENSE LEVEL ACTIVITIES		
FORT CAMPBELL		
MIDDLE SCHOOL ADDITION	1,340	
FORT CAMPBELL		1,340
FORT KNOX		
ELEMENTARY SCHOOL GYMNASIUMS-SIX	4,350	
FORT KNOX		4,350
**DEFENSE LEVEL ACTIVITIES		5,690
NEW YORK		
DEFENSE LEVEL ACTIVITIES		
GOVERNORS ISLAND		
ELEM/JR HIGH SCHOOL ADDITION/ROOF REPAIR	2,600	
GOVERNORS ISLAND		2,600
NORTH CAROLINA		
DEFENSE LEVEL ACTIVITIES		
CAMP LEJEUNE		
TARAWA TERR/STONE ST/DELALIP ELEM ADDITION	1,190	
CAMP LEJEUNE		
VIRGINIA		
DEFENSE LEVEL ACTIVITIES		
DAHLGREN		
ELEMENTARY/JR HIGH SCHOOL ADDITION	1,130	1,130
DAHLGREN		
QUANTICO	420	
HIGH SCHOOL ADDITION		420
QUANTICO		

1. COMPONENT DEFENSE (DODDS)Sec 6	FY 19_87_ MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION FORT MC CLELLAN, ALABAMA	4. COMMAND SECTION 6 SCHOOLS DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .80

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			32			525				557
b. END FY 1991			32			525				557

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY..
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $2,830
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $2,830

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Fort McClellan Elementary School Addition	35,000 SF	$2,830	10/84	9/86

9. **FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.**

10. **MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel** residing on Fort McClellan, Alabama.

11. **Outstanding Pollution and Safety Deficiencies:** **$000**
a. **Air Pollution:** **0**
b. **Water Pollution:** **0**
c. **Safety and Occupational Health:** **0**

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION FORT MC CLELLAN, ALABAMA	4. PROJECT TITLE FORT MC CLELLAN ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87CA1	8. PROJECT COST ($000) $2,830

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	35,000	$62.00	$2,187
Elementary School Addition	SF	28,902	$67.00	(1,943)
Alterations and Renovation	SF	6,098	$40.00	(244)
Supporting Facilities				367
Utilities	LS			(70)
HVAC	TN	47	$3,277	(154)
Paving, Walks, Curbs, and Gutters	LS			(24)
Storm Drainage	LS			(12)
Site Improvement and Landscaping	LS			(51)
Communications	LS			(15)
Fire Alarm, Clock and Bell System	LS			(41)
Subtotal				2,554
Contingency (5%)				128
Total Contract Cost				2,682
Supervision, Inspection & Overhead (5.5%)				148
Total Request				$2,830

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes 3 kindergarten, 5 general purpose, 5 special education, and 2 learning development classrooms, media center, music, art rooms, physical education facilities, conversion of old media center to computer learning center, and upgrade the multipurpose area and kitchen, administrative offices with storage space, teachers' office and workroom. It also includes renovation of the existing facility to include expansion of the HVAC system.

11. REQUIREMENT: 32 Teaching Stations. Adequate: 14 Substandard: 18

Project: Construct an addition to the present facility to meet current student and teacher needs for grades K-6. This project will provide facilities for 525 elementary students.

CURRENT SITUATION: The present school was constructed in 1963 with a capacity of 350 students. No provision was made for kindergarten, special education, or increased enrollment. Kindergarten classes are housed in an old wooden World War II hospital facility. Special education classes are conducted in an annex with 4 temporary classrooms and limited accessibility to the core facility. Hallways of the school are used for storage creating a congested and unsafe situation.

IMPACT IF NOT PROVIDED: Use of inadequate existing facilities will continue to restrict the programs and services required by the students and will result in the continuation of a substandard educational environment.

1. COMPONENT DEFENSE (DODDS)Sec6	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION
FORT MC CLELLAN, ALABAMA

4. PROJECT TITLE FORT MC CLELLAN ELEMENTARY SCHOOL ADDITION	5. PROJECT NUMBER 87CA1

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. OCT 84
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete............................ SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..........................( )
(c) Total...(240)
(d) Contract...(160)
(e) In-house...(80)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT DEFENSE (DODDS)Sec 6	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION FORT BENNING, GEORGIA	4. COMMAND SECTION 6 SCHOOLS DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .71

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			27			360				387
b. END FY 19 91			29			410				439

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $1,080
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $1,080

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	White Elementary School Addition	7,995 SF	$1,080	10/84	10/85

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel residing on Fort Benning, Georgia.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

1. COMPONENT DEFENSE (DODDS Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION FORT BENNING, GEORGIA	4. PROJECT TITLE WHITE ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87CA2	8. PROJECT COST ($000) $1,080

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	7,995	$62.00	$ 498
Elementary School Addition	SF	7,470	$64.00	(477)
Alterations and Renovation	SF	525	$40.00	(21)
Supporting Facilities				477
Utilities	LS			(8)
HVAC	TN	150	$2,638	(396)
Sprinkler System	LS			(16)
Storm Drainage	LS			(4)
Site Improvement	LS			(5)
Demolition	LS			(35)
Communications	LS			(3)
ECMS Tie-In	LS			(10)
Subtotal				975
Contingency (5%)				49
Total Contract Cost				1,024
Supervision, Inspection & Overhead (5.3%)				56
Total Request				$1,080

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes a music room, library, learning disabilities complex, storage, teacher workroom, and a mechanical room. The existing library will be converted to an art room, and a new HVAC system will be installed to serve the existing and new facilities.

11. REQUIREMENT: 27 Teaching Stations. Adequate: 21 Substandard: 6

Project: Construct an addition to the present facility to meet current student and teacher needs for grades 1-8.

CURRENT SITUATION: At present, student overflow is crowded into 6 small rooms of the post child day care center. The existing facility was adequate for 200 students after its last modification 10 years ago. However, added educational requirements for kindergarten and learning disability classes have made the facility totally inadequate. An expanded curriculum and increased enrollment have created the need for a new and larger library facility, storage space for school supplies, and space for the teaching staff.

IMPACT IF NOT PROVIDED: The lack of adequate facilities will result in the continuation of a substandard educational environment and greatly restrict the music, art, and remedial programs.

1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION
FORT BENNING, GEORGIA

4. PROJECT TITLE
WHITE ELEMENTARY SCHOOL ADDITION

5. PROJECT NUMBER
87CA2

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. OCT 84
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete.......................... OCT 85

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..........................( )
(c) Total...(100)
(d) Contract...(60)
(e) In-house...(40)

(4) Construction Start......................... JAN 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT DEFENSE (DODDS)Sec 6	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA	4. COMMAND SECTION 6 SCHOOLS DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .80

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			88			890				978
b. END FY 19 91			88			890				978

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY..........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $2,440
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $2,440

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Robins and Linwood Elementary School Additions	30,000 SF	$2,440	9/85	6/87

9. **FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.**

10. **MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel residing on Robins** Air Force Base, Georgia.

11.	Outstanding Pollution and Safety Deficiencies:	$000
	a. Air Pollution:	0
	b. Water Pollution:	0
	c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)Sec6	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA	4. PROJECT TITLE ROBINS AND LINWOOD ELEMENTARY SCHOOL ADDITIONS

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87CF1	8. PROJECT COST ($000) $2,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$1,920
Elementary School Additions	SF	30,000	$64.00	(1,920)
Supporting Facilities				283
Electrical Transformer	LS			(6)
Utilities	LS			(200)
Site Improvement	LS			(27)
HVAC	TN	Two/20	$75.00	(3)
Roads, Parking, and Walks	LS			(47)
Subtotal				2,203
Contingency (5%)				110
Total Contract Cost				2,313
Supervision, Inspection & Overhead (5.5%)				127
Total Request				$2,440

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct two pre-engineered, precast, reinforced concrete, masonry, or steel frame additions. Each project includes a gymnasium with bleachers, shower and locker rooms, restrooms, portable stage, office area, classrooms, band practice and instrument storage rooms, and a connection to the existing facility.

REQUIREMENT: 158,914 SF Adequate: 128,914 SF Substandard: 30,000 SF

Project: Construct two additions to the present facilities to meet current student and teacher needs for grades 1-6 at the Robins and Linwood elementary schools. This project will provide facilities for physical education and band programs for 890 elementary students at these schools.

CURRENT SITUATION: At the present time, no band program exists due to a lack of facilities. The physical education programs are dependent on good weather to a great extent as they are conducted outdoors. In bad weather, the school hallways are used for this activity which greatly restricts the type of physical activities that can be accommodated, as well as creating safety hazards for the participating students and a noise problem for other classes in the vicinity.

IMPACT IF NOT PROVIDED: Without the construction of these facilities, the school system will continue to offer substandard physical education activities and cannot implement a band program at these schools. Both of these activities are necessary for a balanced program under established educational requirements.

1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE ROBINS AND LINWOOD ELEMENTARY SCHOOL ADDITIONS		5. PROJECT NUMBER 87CF1

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started........................... SEP 85
(b) Percent Complete as of January 1, 19 .... 35%
(c) Percent Complete as of October 1, 19 .... 100%
(d) Date Design Complete.......................... JUN 87

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..........................( )
(c) Total..(240)
(d) Contract...(160)
(e) In-house...(80)

(4) Construction Start........................ AUG 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)Sec 6	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION FORT CAMPBELL, KENTUCKY	4. COMMAND SECTION 6 SCHOOLS DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .93

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			33			600				633
b. END FY 19 91			33			600				633

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF ....

c. AUTHORIZATION NOT YET IN INVENTORY ....

d. AUTHORIZATION REQUESTED IN THIS PROGRAM $1,340

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....

f. PLANNED IN NEXT THREE PROGRAM YEARS ....

g. REMAINING DEFICIENCY ....

h. GRAND TOTAL $1,340

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-786	Fort Campbell Middle School Addition	15,543 SF	$1,340	4/84	9/86

9. **FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.**

10. **MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel** residing on Fort Campbell, Kentucky.

11. Outstanding Pollution and Safety Deficiencies: $000
   a. Air Pollution: 0
   b. Water Pollution: 0
   c. Safety and Occupational Health: 0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT DEFENSE (DODDS)Sec6	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION FORT CAMPBELL, KENTUCKY	4. PROJECT TITLE FORT CAMPBELL MIDDLE SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-786	7. PROJECT NUMBER 87CA3	8. PROJECT COST ($000) $1,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$1,010
Middle School Addition	SF	15,543	$65.00	(1,010)
Supporting Facilities				199
Utilities Expansion	LS			(127)
HVAC	TN	34	$1,500	(51)
Site Preparation	LS			(16)
Communications	LS			(5)
Subtotal				1,209
Contingency (5%)				61
Total Contract Cost				1,270
Supervision, Inspection & Overhead (5.5%)				70
Total Request				$1,340

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. The project includes 5 general purpose classrooms, 1 classroom for special education with storage and office/observation rooms, expansion of the dining room, construction of a school media center, additional student toilet facilities, storage areas for school supplies, a revised mechanical space for the HVAC system with a 34-ton air conditioning unit, and a covered bus loading area.

11. REQUIREMENT: 61,543 SF Adequate: 46,000 SF Substandard: 15,543

Project: Construct an addition to the existing senior high school for use as a middle school for grades 6-8. This project will increase the capacity of the present structure from 425 to 600 students who are presently located in an old Army hospital structure.

CURRENT SITUATION: When the students are moved out of the old hospital, space must be created to handle an increased enrollment, special education programs, the addition of a computer science classroom and laboratory, guidance counselors, health services, and a library.

IMPACT IF NOT PROVIDED: Without additional instructional space, it will be difficult to develop a quality middle school program with classroom enrollment exceeding 35 students per teaching station.

DD FORM DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION FORT CAMPBELL, KENTUCKY		
4. PROJECT TITLE FORT CAMPBELL MIDDLE SCHOOL ADDITION		5. PROJECT NUMBER 87CA3

12. **SUPPLEMENTAL DATA:**

a. **Estimated Design Data:**

(1) **Status:**

(a) Date Design Started............................	APR 84
(b) Percent Complete as of January 1, 1986.........	35%
(c) Percent Complete as of October 1, 1986........	100%
(d) Date Design Complete..........................	SEP 86

(2) **Basis:**

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) **Total Cost (c) = (a) + (b) or (d) + (e):** ($000)

(a) Production of Plans and Specifications........	( )
(b) All Other Design Costs........................	( )
(c) Total...	(135)
(d) Contract......................................	(90)
(e) In-house......................................	(45)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT DEFENSE (DODDS)Sec 6	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION FORT KNOX, KENTUCKY	4. COMMAND SECTION 6 SCHOOLS DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .99

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			132			1800				1932
b. END FY 19 91			132			1800				1932

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF	
c. AUTHORIZATION NOT YET IN INVENTORY	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	$4,350
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	$4,350

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Six Elementary School Gymnasiums	41,658 SF	$4,350	11/84	9/86

9. **FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.**

10. **MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel residing on Fort Knox, Kentucky.**

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION FORT KNOX, KENTUCKY		4. PROJECT TITLE SIX ELEMENTARY SCHOOL GYMNASIUMS

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87CA4	8. PROJECT COST ($000) $4,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$2,667
Six Elementary School Gymnasiums	SF	41,658	$64.00	(2,667)
Supporting Facilities				1,260
Utilities	LS			(255)
Site Preparation	LS			(126)
Communications	LS			(113)
Site Improvements and Landscaping	LS			(166)
HVAC System Upgrade	TN	Six/20	$3,000	(360)
Walks, Paving, Curbing and Gutters	LS			(240)
Subtotal				3,927
Contingency (5%)				196
Total Contract Cost				4,123
Supervision, Inspection & Overhead (5.5%)				227
Total Request				$4,350

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct six pre-engineered, precast, reinforced concrete, masonry, or steel frame gymnasiums. Project requires 5,428 SF each for the Van Vooris, Stevens, Kingsolver, and Mudge schools, and 9,973 each for the Pierce and Scott schools.

11. REQUIREMENT: 374,000 SF Adequate: 332,204 Substandard: 41,794

Project: Provide permanent space at six elementary schools for teaching physical education and for after school intramural athletic activities.

CURRENT SITUATION: Physical education at the six schools is now being taught in the cafeterias which presents scheduling problems and greatly restricts the type of athletic programs which can be offered due to a lack of space. The floors provide poor traction which results in falls and restricts fast games or running. It is not possible to set up the gym equipment permanently as the cafeteria is used for other purposes. Therefore, damage occurs to this equipment and valuable instructional time is used in setting up and taking down equipment.

IMPACT IF NOT PROVIDED: If the schools continue to use cafeterias for physical education, personal injuries and equipment damage may occur. The school will continue to be restricted in its athletic program due to inadequate space, scheduling conflicts, floor surface, and the-inability to install permanent equipment. Also the schools face the possible loss of accreditation.

1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION FORT KNOX, KENTUCKY		
4. PROJECT TITLE SIX ELEMENTARY SCHOOL GYMNASIUMS		5. PROJECT NUMBER 87CA4

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started........................ NOV 84
(b) Percent Complete as of January 1, 1986......... 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete........................ SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs........................( )
(c) Total..(340)
(d) Contract.......................................(240)
(e) In-house.......................................(100)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)Sec 6	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION U.S. COAST GUARD STATION GOVERNORS ISLAND, NEW YORK	4. COMMAND SECTION 6 SCHOOLS DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX 1.12

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			21			460				481
b. END FY 1991			25			550				575

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $2,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $2,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-786	Governors Island Elementary/Junior High School Addition and Renovation	42,000 SF	$2,600	11/84	3/86

9. **FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.**

10. **MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel** residing on U.S. Coast Guard Station, Governors Island, New York.

11. Outstanding Pollution and Safety Deficiencies:

	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION U.S. COAST GUARD STATION GOVERNORS ISLAND, NEW YORK	4. PROJECT TITLE GOVERNORS ISLAND ELEMENTARY/JUNIOR HIGH SCHOOL ADDITION AND RENOVATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88715-D	730-786	87CN1	$2,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	42,000	$53.00	$2,246
Elementary School Addition	SF	6,000	$71.00	(426)
Alterations and Corrective Construction	SF	1,000	$70.00	(70)
Roof Replacement	SF	35,000	$50.00	(1,750)
Supporting Facilities				101
Utilities	LS			(24)
Exterior Lighting	LS			(12)
Site Improvement	LS			(11)
Walks and Playground	LS			(23)
Storm Sewer, Drainage	LS			(31)
Subtotal				2,347
Contingency (5%)				117
Total Contract Cost				2,464
Supervision, Inspection & Overhead (5.5%)				136
Total Request				$2,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes a gymnasium, the alteration and conversion of the multipurpose room to a cafeteria; and the replacement of the roof on the existing facility.

11. REQUIREMENT: 42,476 SF Adequate: 476 Substandard: 42,000

Project: Provide permanent space for teaching physical education, for afterschool intramural athletic activities, adequate cafeteria facilities and roof replacement of the existing facility.

CURRENT SITUATION: The present school was built prior to federal requirements for school breakfast and lunch programs; thus, no cafeteria or kitchen facilities exist. The original construction provided locker room facilities which are rarely used because all the children are within a 10-minute walk from home. Currently, the multipurpose room must be set up after school hours for the next morning's breakfast; the tables are cleaned and removed for the lunch program; cleaned and removed before afternoon classes; and then set up again for the next morning. This restricts the use of the room for other programs and severely limits the effectiveness of the physical education program.

IMPACT IF NOT PROVIDED: Roof replacement must be completed as soon as possible in order to stop decay and prevent a possible full scale roof failure. The assessed value of this basic facility was $7,000,000 in 1983. A roof failure would place further use of this facility in jeopardy without an extremely high investment for a complete building renovation. Failure to provide the addition will result in the continuation of a substandard educational environment.

1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION U.S. COAST GUARD STATION, GOVERNORS ISLAND, NEW YORK		
4. PROJECT TITLE GOVERNORS ISLAND ELEMENTARY/JUNIOR HIGH SCHOOL ADDITION AND RENOVATION		5. PROJECT NUMBER 87CN1

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. NOV 84
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete.............................. MAR 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..............................( )
(c) Total..(260)
(d) Contract..(174)
(e) In-house..(86)

(4) Construction Start.............................. JUN 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT DEFENSE (DODDS) Sec 6	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	4. COMMAND SECTION 6 SCHOOLS DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .86

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			77			894				971
b. END FY 19 91			81			970				1051

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY..........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $1,190
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $1,190

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
730-784	Tarawa Terrace, Stone Street, and DeLalio Elementary School Additions	11,290 SF	$1,190	6/84	10/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel residing on Camp LeJeune, North Carolina.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE TARAWA TERRACE, STONE STREET, AND DELALIO ELEMENTARY SCHOOL ADDITIONS

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87CM1	8. PROJECT COST ($000) $1,190

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$723
Elementary School Additions	SF	11,290	$64.00	(723)
Supporting Facilities				351
Electrical Utilities	LS			(65)
Mechanical Utilities	LS			(150)
Site Improvements	LS			(33)
Built-In Equipment	LS			(75)
Communications	LS			(28)
Subtotal				1,074
Contingency (5%)				54
Total Contract Cost				1,128
Supervision, Inspection & Overhead (5.5%)				62
Total Request				$1,190

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct three pre-engineered, precast, reinforced concrete, masonry, or steel frame additions. Project includes an addition containing 5 general purpose classrooms, restrooms and storage space at Tarawa Terrace school, a multipurpose room addition with built-in physical education equipment at Stone Street and DeLalio schools, and air conditioning in all 3 additions.

11. REQUIREMENT: 11,290 SF Adequate: 0 Substandard: 11,290 SF

Project: To construct 5 classrooms with restroom facilities at the Tarawa Terrace school and a multipurpose room at the Stone Street and the DeLalio schools.

CURRENT SITUATION: The addition at Tarawa Terrace is needed to relieve current overcrowding in excess of 100 students and to provide space for learning disability classes; students cannot be accommodated in the existing space without exceeding acceptable student:teacher ratios. The existing multipurpose rooms at Stone Street and DeLalio are too small for physical education instruction (athletic equipment cannot be moved and stored compactly enough to provide adequate dining/assembly space when required) and too limited by sanitation requirements for other programs. It is disruptive to use the same space for physical education classes and as a lunch facility.

IMPACT IF NOT PROVIDED: Tarawa Terrace is overcrowded now and the student population is increasing. Educational programs at the Stone Street and DeLalio schools will be limited due to potential class size and group meetings will have to be cancelled rather than moved inside during adverse weather conditions which is very disruptive both to students and to the class routine.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA		
4. PROJECT TITLE TARAWA TERRACE, STONE STREET, AND DELALIO ELEMENTARY SCHOOL ADDITIONS		5. PROJECT NUMBER 87CM1

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. JUN 84
(b) Percent Complete as of January 1, 19 .... 35%
(c) Percent Complete as of October 1, 19 .... 100%
(d) Date Design Complete.............................. OCT 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs.............................( )
(c) Total...(110)
(d) Contract..(80)
(e) In-house..(30)

(4) Construction Start.......................... MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT DEFENSE (DODDS) Sec 6	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER DAHLGREN, VIRGINIA	4. COMMAND SECTION 6 SCHOOLS DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX 1.10

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			18			169				187
b. END FY 19 91			20			185				205

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $1,130
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $1,130

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-786	Dahlgren Elementary/Junior High School Addition	12,971 SF	$1,130	10/84	7/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel residing on the Naval Surface Weapons Center, Dahlgren, Virginia.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

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1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA	4. PROJECT TITLE DAHLGREN ELEMENTARY/JUNIOR HIGH SCHOOL ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88715-D	730-786	87CN2	$1,130

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$ 927
Elementary/Junior High School Addition	SF	12,971	$71.50	(927)
Supporting Facilities				93
Utilities	LS			(10)
Mechanical	LS			(15)
Roads, Parking, and Walks	LS			(23)
Built-In Equipment	LS			(8)
Site Improvement	LS			(18)
Demolition	LS			(19)
Subtotal				1,020
Contingency (5%)				51
Total Contract Cost				1,071
Supervision, Inspection & Overhead (5.5%)				59
Total Request				$1,130

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes space for physical education, a computer laboratory, music/multipurpose room, kindergarten and special education rooms, storage and utility space.

11. REQUIREMENT: 13 Teaching Stations. Adequate: 8 Substandard: 5

Project: Construct an addition to the present facility to meet current student and teacher needs for grades 1-8.

CURRENT SITUATION: At present, student overflow, kindergarten, music and special education classes are accommodated by utilizing 30-year old Quonset huts which do not comply with fire, safety, and health regulations. Lack of space prohibits setting up a computer laboratory, and physical education can only be conducted outdoors in good weather.

IMPACT IF NOT PROVIDED: Without the construction of this facility, the school will continue to offer limited physical education activities and be unable to set up a computer laboratory. Requirements to provide kindergarten and special education must be met in order to satisfy accreditation standards. The Quonset huts currently being used do not meet fire, safety, and health standards and they continue to deteriorate.

1. COMPONENT DEFENSE (DODDS)Sec6	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA		
4. PROJECT TITLE DAHLGREN ELEMENTARY/JUNIOR HIGH SCHOOL ADDITION		5. PROJECT NUMBER 87CN2

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. OCT 84
(b) Percent Complete as of January 1, 1986......... 35%
(c) Percent Complete as of October 1, 1986......... 100%
(d) Date Design Complete.............................. JUL 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..........................( )
(c) Total..(87)
(d) Contract...(58)
(e) In-house...(29)

(4) Construction Start.............................. MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

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PAGE NO.

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES ($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
STRATEGIC DEFENSE INITIATIVE ORGANIZATION		
EDWARDS AFB		
ROCKET PROPULSION BRILION FACILITY	4,140	
EDWARDS AFB		4,140
HAWAII		
STRATEGIC DEFENSE INITIATIVE ORGANIZATION		
PACIFIC MISSILE RANGE		
INTERMEDIATE BALLISTIC MISSILE LAUNCH CPLX	2,890	
PACIFIC MISSILE RANGE		2,890
NEW MEXICO		
STRATEGIC DEFENSE INITIATIVE ORGANIZATION		
WHITE SANDS MISSILE RANGE		
HIGH ENDO DEFENSE INTERCEPTOR LAUNCH CMPLX	1,930	
WHITE SANDS MISSILE RANGE		1,930

1. COMPONENT DEFENSE (SDIO)	FY 198_ MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CA	4. COMMAND STRATEGIC DEFENSE INITIATIVE ORGANIZATION	5. AREA CONSTRUCTION COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF N/A										
b. END FY 19 N/A										N/A

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	0
b.	INVENTORY TOTAL AS OF	0
c.	AUTHORIZATION NOT YET IN INVENTORY	0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	4,140
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	0
h.	GRAND TOTAL	4,140

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
318	BERYLLIUM PROPELLANT FACILITY	5200 SF	4,140	10-85	2-87

9. FUTURE PROJECTS:

a. Included in following program (FY 88): None

b. Planned next three years: None

10. MISSION OR MAJOR FUNCTIONS: This project provides for a controlled environment in which the Small Space Booster Critical Component Technology experiments can be conducted.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a.	Air Pollution	0
b.	Water Pollution	0
c.	Occupational Safety and Health (OSH)	75.0

1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CA KERN COUNTY	4. PROJECT TITLE BERYLLIUM PROPELLANT FACILITY

5. PROGRAM ELEMENT 63222C	6. CATEGORY CODE 318-614	7. PROJECT NUMBER 860612	8. PROJECT COST ($000) $4140.0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facilities				2847.0
Toxic Control Building	SF	5200	248.0	(1290.0)
Motor Cell Building	EA	2	71,300	(143.0)
Containment Vessel Support	EA	6	21,500	(129.0)
Water Collection System	LS	-	-	(571.0)
Equipment Installation	LS	-	-	(714.0)
Support Facilities				719.0
Electric Service	LS	-	-	(280.0)
Water, Sewer, Gas	LS	-	-	(185.0)
Paving Walks, Curb & Gutter	LS	-	-	(166.0)
Storm Drainage	LS	-	-	(37.0)
Site Improvement	LS	-	-	(24.0)
Communications	LS	-	-	(27.0)
Subtotal				3566.0
Contingency (10%)				357.0
Total Contract cost				3923.0
Supervision/Administration (5.5%)				216.0
Total Request				4139.0
Total Rounded				4140.0

10. DESCRIPTION OF PROPOSED CONSTRUCTION Install a toxic control building to contain a motor component storage room, an equipment room and personnel detoxification change rooms. The motor cell is connected to a toxic containment vessel which achieves a pressure altitude of 110,000 ft. Water, power, access road, communications and instrumentation are the extended utilities.

SPECIFIC PURPOSE : New RDT&E Effort. To safely accommodate the Small Space Booster Critical Component Technology Development Program

PROJECT: The temporary construction provides the capability to conduct motor experiments at altitude with beryllium based solid propellant.

REQUIREMENT: To provide advanced generic componentry for future Kinetic Energy Weapon (KEW) system development.

CURRENT SITUATION: No other rocket facilities in the nation can provide the safe operating parameters for this experimentation.

IMPACT IF NOT PROVIDED: A cessation of the beryllium technology development for the SDI KEW 2.5 program will occur, resulting in significant increases in booster weight and launch to orbit cost.

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1. COMPONENT		2. DATE
DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	FEB 86

3. INSTALLATION AND LOCATION

EDWARDS AIR FORCE BASE, CA

4. PROJECT TITLE

BERYLLIUM PROPELLANT FACILITY

11. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started.	10-85
(b) Percent Complete as of January 1986.	20
(c) Percent Complete as of October 1986.	90
(d) Date Design Complete	2-87
(2) Basis:	
(a) Standard or Definitive Design Yes _____ No _____	
(b) Where Design Was Most Recently Used	__________
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications . . .	
(b) All Other Design Costs	360
(c) Total.	360
(d) Contract	
(e) In-house	
(4) Construction Start.	4-87

b. Equipment associated with this project which will be provided from other appropriations: RDT&E

1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION KAUAI TEST FACILITY (KTF), HAWAIIAN ISLANDS	4. COMMAND STRATEGIC DEFENSE INITIATIVE ORGANIZATION	5. AREA CONSTRUCTION COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF N/A b. END FY 19 N/A										N/A

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 0
b. INVENTORY TOTAL AS OF 0
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 2,890
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 0
h. GRAND TOTAL 2,890

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
312	INTERMEDIATE RANGE BOOSTER SYSTEM (IRBS) LAUNCH COMPLEX	LS	2,890	12-85	2-87

9. FUTURE PROJECTS:

a. Inlcuded in following program (FY 88): None

b. Planned next three years: None

10. MISSION OR MAJOR FUNCTIONS: This project is required to support missile launch capabilities at the Kauai Test Facility to conduct flight tests for the Intermediate Range Booster System.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a.	Air Pollution	0
b.	Water Pollution	0
c.	Occupational Safety and Health (OSH)	0

1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION KAUAI TEST FACILITY (KTF HAWAIIAN ISLANDS	4. PROJECT TITLE INTERMEDIATE RANGE BOOSTER SYSTEM (IRBS)

5. PROGRAM ELEMENT 63222C	6. CATEGORY CODE 31220	7. PROJECT NUMBER T86111	8. PROJECT COST ($000) $2890.0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facilities				2208.0
Bunkered Control Building	SF	2,400	460.0	(1104.0)
Storage/Assembly Building	SF	2,500	294.4	(736.0)
Launch Pad	SF	3,600	102.2	(368.0)
Support Facilities				280.0
Electrical	LS	-	-	(42.0)
Machanical	LS	-	-	(21.0)
Site Improvement	LS	-	-	(37.0)
General	LS	-	-	(180.0)
Subtotal				2488.0
Contingency (10%)				249.0
Total Contract Cost				2737.0
Supervision/Administration (5.5%)				151.0
Total Request				2888.0
Total Rounded				2890.0

10. DESCRIPTION OF PROPOSED CONSTRUCTION This is an MC funded project for the construction of a missile launch complex for the IRBS. These buildings will all have reinforced concrete footings and floor slabs. In addition, the control and storage/assembly buildings will have reinforced concrete exterior walls with earth bunkers. The launch pad will consist of a reinforced concrete slab and a retractable environmental shelter. All buildings will require environmental control systems to allow proper conditioning of solid-fuel missile components and operation of launch controllers. The storage/assembly building will require special grounding busses and explosion proof electrical wiring in accordance with safety practices established for assembly and handling of ballistic missiles. Fire protection systems are included. Facilities will be designed to meet operations security (OPSEC)/TEMPEST criteria. Not sited in a flood plain.

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11. REQUIREMENTS: 8,500 SF ADEQUATE: NONE SUBSTANDARD: NONE

PROJECT: Construction of a missile launch complex at the Kauai Test Facility, Hawaiian Islands.

REQUIREMENT: This project is in direct support of the U.S. Army Strategic Defense Command and the Army's role in conjunction with the Strategic Defense

1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION
KAUAI TEST FACILITY (KTF),
HAWAIIAN ISLANDS

4. PROJECT TITLE
INTERMEDIATE RANGE BOOSTER SYSTEM (IRBS)

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued)
Initiative (SDI) program. The construction is required to provide missile launch capabilities at the Kauai Test Facility to conduct flight tests for the Intermediate Range Booster System (IRBS). The IRBS, based on the capabilities of the decommissioned U.S. Navy Polaris A3 Missile, is planned as a supplement to the Minuteman I (MM I) launch program, which conducts flights from Vandenberg Air Force Base, California. When operational, IRBS will flight-test a variety of target vehicles and increase the data base of reentry vehicle characteristics.

CURRENT SITUATION: The supply of MM I missiles available for research and development testing is limited and is too small to complete the required intercontinental ballistic missile reentry tests palnned for the coming years. The IRBS cannot be based in any of the west coast states because its range (2,300 nm) is less than the Minuteman's, but this makes it suitable for basing in the Hawaii area. The KTF is located in Hawaii, on the Pacific Missile Range Facility at Barking Sands, Kauai. Sandia National Laboratories operates the range for the Department of Energy, and is arranging to develop the new launch system.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Data Design Started. 12-85
(b) Percent Complete as of January 1986. . . . . ______
(c) Percent Complete as of October 1986. 90
(d) Date Design Complete 2-87

(2) Basis:
(a) Standard or Definitive Design Yes ____ No ____
(b) Where Design Was Most Recently Used ________

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . ______
(b) All Other Design Costs 252
(c) Total. 252
(d) Contract . . . . ______
(e) In-house . . . . ______

(4) Construction Start. 4-87

b. Equipment associated with this project which will be provided from other appropriations: RDT&E

1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION WHITE SANDS MISSILE RANGE	4. COMMAND STRATEGIC DEFENSE INITIATIVE ORGANIZATION	5. AREA CONSTRUCTION COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF N/A										
b. END FY 19 N/A										N/A

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	0
b.	INVENTORY TOTAL AS OF	0
c.	AUTHORIZATION NOT YET IN INVENTORY	0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	1,930
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	0
h.	GRAND TOTAL	1,930

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
312	HEDI LAUNCH COMPLEX	LS	1,930	12-85	12-86

9. FUTURE PROJECTS:

a. Included in following program (FY 88): None

b. Planned next three years: None

10. MISSION OR MAJOR FUNCTIONS: This project will provide facilities to test and evaluate the operational capability of the latest state-of-the-art interceptor systems for subsequent use against live targets.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a.	Air Polution	0
b.	Water Pollution	0
c.	Occupational Safety and Health (OSH)	0

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PAGE NO.

1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION WHITE SANDS MISSILE RANGE (WSMR)	4. PROJECT TITLE LAUNCH COMPLEX (HEDI) (1C-37)

5. PROGRAM ELEMENT 63222C	6. CATEGORY CODE 31220	7. PROJECT NUMBER T86101	8. PROJECT COST ($000) $1930.0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facilities				782.0
Launch Pads - New	EA	2	55,000	(110.0)
Underground Equipment Room S23490	SF	640	57.81	(37.0)
Underground Equipment Room S23475 Mods	SF	640	57.81	(37.0)
Missile Assembly Building & Launch Control	SF	3,006	87.08	(267.0)
Building Mods				(138.0)
Security	LS			
Instrumentation Facilities	3	EA	64,333	(193.0)
Support Facilities				880.0
Roads	1	LS	-	(300.0)
Electrical	1	LS		(330.0)
Water, Sewer, Gas	1	LS	-	(30.0)
Storm Drainage	1	LS	-	(3.0)
Site Improvements	1	LS	-	(25.0)
Commo	1	LS	-	(80.0)
Work Stoppage (97) Fence (15)	1	LS	-	(112.0)
Subtotal				1662.0
Contingencies (10%)				166.0
Construction Cost				1828.0
SIA (5.5%)				101.0
Total				1929.0
Total Rounded				1930.0

10. DESCRIPTION OF PROPOSED CONSTRUCTION Provide a missile launch complex at the White Sands Missile Range complete with launch pads, underground equipment rooms, missile assembly building, launch control building, equipment vaults, communication, IDS and fire detection and protection systems. Facilities will be designed to meet operations security (OPSEC) criteria. Not sited in a flood plain. Heating, air conditioning, and instrumentation facilities are included.

11. REQUIREMENT: 1 COMPLEX ADEQUATE: None SUBSTANDARD: 1

PROJECT: Construction of a launch complex to include new facilities and modifications to existing facilities at the White Sands Missile Range.

REQUIREMENT : This item is in direct support of the Ballistic Missile Defense Organization and its mission in support of the Strategic Defense Initiative (SDI) and the Army's role in research, development, and testing of ground based terminal and midcourse interceptors. This project will provide facilities to test and evaluate the operational capability of the latest state-of-the-art interceptor systems for subsequent use against live targets.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED. PAGE NO.

1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION WHITE SANDS MISSILE RANGE		
4. PROJECT TITLE HEDI LANUCH COMPLEX (LC-37)		

11. REQUIREMENT: (Continued)

CURRENT SITUATION: No adequate facilities are available to WSMR to support the testing of this interceptor. Modifications and upgrade of existing structures are required in conjunction with new construction.

IMPACT IF NOT PROVIDED: If this project is not approved, the interceptor systems planned for the Army's SDI role cannot be properly tested for potential use in a variety of Ballistic Missile Defense missions.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started. 12-85
(b) Percent Complete as of January 1986. . . . . . ____
(c) Percent Complete as of October 1986. 90
(d) Date Design Complete 12-86

(2) Basis:
(a) Standard or definitive Design Yes ____ No ____
(b) Where Design Was Most REcently Used ________

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . ____
(b) All Other Design Costs 115
(c) Total. 115
(d) Contract . . . . ____
(e) In-house . . . . ____

(4) Construction Start. 3-87

b. Equipment associated with this project which will be provided from other appropriations: RDT&E

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     FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

          ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
         SPECIFIED OUTSIDE THE UNITED STATES
                   ($ THOUSANDS)
STATE/COMP./INSTALLATION                                PROJ COST       TOTAL
--------------------PROJECT NAME---------------      ----------    ----------
KWAJALEIN
  STRATEGIC DEFENSE INITIATIVE ORGANIZATION
    MISSILE RANGE
     TARGET LAUNCH COMPLEX                                  1,340
      MISSILE RANGE                                                     1,340
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1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION KWAJALEIN MISSILE RANGE	4. COMMAND STRATEGIC DEFENSE INITIATIVE ORGANIZATION	5. AREA CONSTRUCTION COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF N/A										
b. END FY 19 N/A										N/A

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	0
b.	INVENTORY TOTAL AS OF	0
c.	AUTHORIZATION NOT YET IN INVENTORY	0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	1,340
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	0
h.	GRAND TOTAL	1,340

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
312	TARGET LAUNCH COMPLEX	LS	1,340	12-85	12-86

9. FUTURE PROJECTS:

a. Included in following program (FY88): None

b. Planned next three years: None

10. MISSION OR MAJOR FUNCTIONS: This project is required in support of the Braduskill Interceptor Concept (BIC) testing program.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a.	Air Pollution	0
b.	Water Pollution	0
c.	Occupational Safety and Health (OSH)	0

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1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION KWAJALEIN MISSILE RANGE (KMR)	4. PROJECT TITLE TARGET LAUNCH COMPLEX (BIC), OMELEK ISLAND

5. PROGRAM ELEMENT 63222C	6. CATEGORY CODE 31220	7. PROJECT NUMBER T87126	8. PROJECT COST ($000) $1340.0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facilities				545.0
Addition to Generator Bldg (7406)	SF	174	1253.00	(218.0)
Launch Equipment Room	SF	267	224.90	(60.0)
Camera Towers	EA	3	4333.33	(13.0)
Launch Pad, Access Pad, Environmental Shelter	LS	-	-	(254.0)
Support Facilities				609.0
Electrical to Camera Towers	LS	-	-	(7.0)
Utilities	LS	-	-	(490.0)
Civil Work	LS	-	-	(112.0)
Subtotal				1154.0
Contingencies (10%)				115.0
Total Contract Cost				1269.0
Supervision/Administration (5.5%)				70.0
Total Request				1339.0
Total Rounded				1340.0

10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a target launch complex at the KMR to support the Braduskill Interceptor Concept (BIC) testing program. Project includes new foundations and pads for launcher equipment, new environmental shelter, new equipment room, air conditioning, utilities, communication and signal interconnections from the launch complex to an existing launch control building, fire protection, security system, instrumentation facilities and expansion of power plant. Facilities will be designed to meet operations security (OPSEC) criteria. Not sited in a flood plain.

11. REQUIREMENT: 1 COMPLEX ADEQUATE: 0 SUBSTANDARD: 1 COMPLEX

PROJECT: Construction and upgrade of a missile launch complex at the KMR.

REQUIREMENT: These facilities are required in support of the BIC testing program. This proof-of-principle test will incorporate existing, off-the-shelf hardware, including solid fuel boosters, on-board computer, and guidance systems for interceptor missiles planned for launch from Meck Island. Target interceptors will be launched from the proposed Omelek complex Testing of this concept is in direct support of the Army's role in the Strategic Defense Initiative (SDI) program.

1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION KWAJALEIN MISSILE RANGE		
4. PROJECT TITLE TARGET LAUNCH COMPLEX		

11. REQUIREMENT (Continued):

CURRENT SITUATION: Some support facilities exist at the proposed site and will be utilized to the maximum extent possible. However, modifications to existing facilities and construction of new facilities will be required for this unique interceptor concept.

IMPACT IF NOT PROVIDED: If this project is not approved, the BIC proof-of-principle cannot be accomplished against live targets, thereby compromising the degree of confidence required for possible application of the subsystem in a strategic environment.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started. 12-85
(b) Percent Complete as of January 1986. . . . . ____
(c) Percent Complete as of October 1986. 90
(d) Date design Complete 12-86

(2) Basis:
(a) Standard or Definitive Design Yes _____ No _____
(b) Where Design Was Most Recently Used ___________

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . 116
(b) All Other Design Costs 116
(c) Total. ____
(d) Contract . . . . ____
(e) In-house 2-87

b. Equipment associated with this project which will be provided from other appropriations: RDT&E

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
DEFENSE LEVEL ACTIVITIES		
DEFENSE LANGUAGE INSTITUTE - MONTEREY		
BARRACKS	8,400	
DEFENSE LANGUAGE INSTITUTE - MONTEREY		8,400
PENTAGON		
DEMOLITION OF PARKING LOT	2,500	
PENTAGON		2,500
DEFENSE LEVEL ACTIVITIES		
CLASSIFIED LOCATION		
CLASSIFIED PROJECT	3,000	
CLASSIFIED LOCATION		3,000

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86
3. INSTALLATION AND LOCATION Presidio of Monterey California	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 1.33

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	2	28	29	314	1926	38	58	438	1009	3,861
B. END FY 91	40	330	1130	780	3341	0	0	0	0	5,525

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 393 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85..................	24,594
C. AUTHORIZATION NOT YET IN INVENTORY..................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..................	5,400
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..................	8,400
F. PLANNED IN NEXT THREE YEARS..................	18,021
G. REMAINING DEFICIENCY..................	0
H. GRAND TOTAL..................	58,315

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721	68	BARRACKS	5,400	10/85	10/86
		SUBTOTAL PROJECTS OVER $1M	5,400		
		TOTAL	5,400		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
740	ATHLETIC FIELD UPGRADE	2,000
171	LANGUAGE IMMERSION TRAINING COMPLEX	1,100
724	UNACCOMPANIED OFFICERS QUARTERS	5,300
	SUBTOTAL PROJECTS OVER $1M	8,400
	TOTAL	8,400
B. PLANNED NEXT THREE PROGRAM YEARS :		
740	POST SUPPORT COMPLEX	5,000
723	COMPANY OPERATIONS & SUPPLY	3,400
	SUBTOTAL PROJECTS OVER $1M	12,900
	TOTAL	12,900

10. MISSION OR MAJOR FUNCTIONS:

Responsible for operation of Department of Defense Language Institute.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86

3.INSTALLATION AND LOCATION Presidio of Monterey, California	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 721	7.PROJECT NUMBER 68	8.PROJECT COST ($000) Auth 5,400 Approp 5,400

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,589
Enlisted Barracks	SF	45,658	100.50	(4,589)
Supporting Facilities				271
Electric Service	LS	-	-	(20)
Water, Sewer & Gas	LS	-	-	(14)
Paving, Walks, Curbs & Gutters	LS	-	-	(55)
Storm Drainage	LS	-	-	(20)
Site Improvement	LS	-	-	(81)
Communication	LS	-	-	(41)
Fuel Oil Storage	LS	-	-	(40)
Subtotal				4,860
Contingency (5.00%)				243
Total Contract Cost				5,103
Supervision, Inspection & Overhead (5.50%)				281
Total Request				5,384
Total Request (Rounded)				5,400
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct enlisted barracks to house 176 E5 and E6 personnel. Buildings to have self-contained gas-fired heating systems, mechanical room, laundry, lounge, day room, recreation room, fire protection (detection/alarm system) utilities, energy management system connections, communications, storm drainage, roads, parking, walks, and landscaping. Mechanical ventilation: 147,000 CFM.

11. REQUIREMENT: 2,731 PN ADEQUATE: 2,555 PN SUBSTANDARD: None

PROJECT: Construct an enlisted barracks.

REQUIREMENT: This project is required to provide adequate barracks for 176 unaccompanied E5 and E6 enlisted personnel students at Defense Language Institute Foreign Language Center. This project will satisfy current requirement for enlisted barracks at this installation. The unique nature of language study requires space for tape recording equipment and occupancy limitation of two students per quarters.

CURRENT SITUATION: This installation lacks sufficient permanent billet space for unaccompanied enlisted personnel. Four barracks house 1712 enlisted students. Many students are required to rent housing in the neighboring communities, generally at exorbitant rates that lowergrade enlisted persons cannot afford. Students in residence off the installation must travel greater

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86
3.INSTALLATION AND LOCATION Presidio of Monterey, California		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 68

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
distances to classrooms and dining facilities.

IMPACT IF NOT PROVIDED: If this project is not provided, an increased number of Defense Language Institute students will be required to reside in the civilian community, with resultant adverse impact on learning environment and morale. Failure rate could be higher and language instruction mission will be hampered. Proposed increase in training load will be forestalled by the continuing housing shortage in the civilian community.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
- (1) Status:
  - (a) Date Design Started .... OCT 85
  - (b) Percent Complete As Of January 1986 35
  - (c) Percent Complete As Of October 1986 100
  - (d) Date Design Complete .... MAR 86
- (2) Basis:
  - (a) Standard or Definitive Design - Yes X No ___
  - (b) Where Design Was Most Recently Used Presidio of Monterey
- (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
  - (a) Production of Plans and Specifications 65
  - (b) All Other Design Costs 55
  - (c) Total Cost 120
  - (d) Contract 92
  - (e) In-house 28
- (4) Construction Start .... JAN 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		0
		TOTAL	None

1. COMPONENT DEFENSE OSD/WHS	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 20 DEC 85
3. INSTALLATION AND LOCATION PENTAGON, ARLINGTON COUNTY, VIRGINIA	4. COMMAND OFFICE OF THE SECDEF	5. AREA CONSTRUCTION COST INDEX 1.00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 1985				–	–	–				23,000
b. END FY 19 91				–	–	–				41,500

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	600
b. INVENTORY TOTAL AS OF	
c. AUTHORIZATION NOT YET IN INVENTORY	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
939	Demolition of Parking Area and Site Preparation	LS	2,500	9/85	8/86

9. FUTURE PROJECTS:

a. Included in following program (FY 1988):					
610	Initial Phase of Site Improvements & Start Office Construction	1,300,000	75,000	5/86	11/86
b. Planned in next three years (FY 1989/91):					
610	Construct General Administrative Office and Support Facilities	2,700,000	350,000	5/86	6/87

10. MISSION OR MAJOR FUNCTIONS:

To provide general administrative space within the Pentagon complex to consolidate DoD activities in the National Capital Region which will reduce dependency on leased space.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

Not Applicable

1. COMPONENT DEFENSE OSD/WHS	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 20 DEC 85

3. INSTALLATION AND LOCATION PENTAGON, ARLINGTON COUNTY, VIRGINIA	4. PROJECT TITLE NATIONAL CAPITAL REGION CONSOLIDATION OF DEFENSE OFFICE FACILITIES

5. PROGRAM ELEMENT 91598-D	6. CATEGORY CODE 939	7. PROJECT NUMBER	8. PROJECT COST ($000) 2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	1,000,000	2.50	2,500
Demolition & Site Preparation for construction of General Administrative Space	SF	1,000,000	2.50	(2,500)
Stripping	SF	1,000,000		(200)
Excavation	SF	1,000,000		(300)
Dewatering	SF	1,000,000		(250)
Survey, Grades and estab building points	SF	1,000,000		(350)
Embankment	SF	1,000,000		(1,050)
Misc	SF	1,000,000		(118)
Support Facility (None)				(-)
Total Cost				2,268
Contingency (5%)				120
Total Contract Cost				2,388
Supervision, Inspection, Overhead (4.5%)				112
Total Request				2,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Demolition of selected parking areas in the Pentagon complex and prepare site for construction of 3,000,000 net square feet of general office space configured in 4 to 9 buildings varying in height from 4 to 14 stories to be determined by final design of proposed facilities.

11. REQUIREMENT: Prepare site for construction of office facilities

PROJECT: As described above

CURRENT SITUATION: Parking area approximately 1,000,000 square feet must be demolished to provide working site to construct new general administrative office space.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT DEFENSE OSD/WHS	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** 20 DECEMBER 85

3. INSTALLATION AND LOCATION
PENTAGON, ARLINGTON COUNTY, VIRGINIA

4. PROJECT TITLE
NATIONAL CAPITAL REGION CONSOLIDATION OF DEFENSE OFFICE FACILITIES

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	Sept 85
(b) Percent Complete as of Jan 1, 1986	10%
(c) Percent Complete as of Oct 1, 1986	100%
(d) Date Design Complete	Aug 86
(2) Basis:	
(a) Standard or Definitive Design	Yes___ No X
(b) Where Design was most recently used	N/A
(3) Total Cost (C)=(a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	(120)
(b) All Other Design Costs	( )
(c) Total	(120)
(d) Contract	(120)
(e) In-house	( )
(4) Construction Start	June 1987 (Month and Year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriations	Fiscal Year Appropriated or Requested	Cost ($000)
	NONE		

1. COMPONENT DOD	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE DEC 85

3. INSTALLATION AND LOCATION CLASSIFIED ACTIVITY CLASSIFIED LOCATION	4. COMMAND DOD	5. AREA CONSTRUCTION COST INDEX 1

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE	262
b.	INVENTORY TOTAL AS OF	$ 49,720
c.	AUTHORIZATION NOT YET IN INVENTORY	46,542
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	3,000
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	10,800
f.	PLANNED IN NEXT THREE PROGRAM YEARS	31,800
g.	REMAINING DEFICIENCY	NONE
h.	GRAND TOTAL	$141,862

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317-10	Support Shops Storage, and Parking	21,000SF	$2,000	10-85	9-86
317-10	Perimeter Road Fence and Lighting	-	$1,000	10-85	9-86

9. FUTURE PROJECTS

FUTURE PROJECTS:

a. Included in the following program (FY-88): $ 3,200K
Site preparation, expansion and upgrading of supporting utilities for future increases in mission requirements.

b. Included in the next 3 years (FY-89/FY-91) $15,500K
Provide space for expanding technical operations and engineering functions with associated alterations of existing facilities.

10. MISSION OR MAJOR FUNCTIONS

MISSION OR MAJOR FUNCTIONS: (This activity has been designated as a Closed and Classified Activity.)

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

OUTSTANDING POLLUTION AND SAFETY (OSHA) DEFICIENCIES: NONE

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DOD	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE DEC 85

3. INSTALLATION AND LOCATION Classified Activity Classified Location	4. PROJECT TITLE Support Shops and Storage Perimeter Road and Fence

5. PROGRAM ELEMENT CLASSIFIED	6. CATEGORY CODE 317-10	7. PROJECT NUMBER	8. PROJECT COST ($000) $3,000K

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Support shops, Storage, and Parking	SF	21,000	82	$1,722
Perimeter Road, Fence and Lighting	LS			999
		SUB TOTAL		2,721
Contingency (5%)				136
	Total	Contract	Cost	$2,857
Supervision Inspection and Overhead (5%)				143
		Total Request		$3,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Support shops and storage building shall match existing construction; concrete foundations and floors, steel frame, concrete block walls, built-up roof.

Perimeter road and fence shall match existing road and fence; lighted clear zone, 15' wide gravel roadway, 10' high security fence.

11. REQUIREMENT: 475,829 SF ADEQUATE: 475,829 SF
INADEQUATE: -0- SF

PROJECT: Provides additional space and supporting capacity. Modify existing facilities and site conditions to incorporate these projects.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT DOD	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Dec 85

3. INSTALLATION AND LOCATION
Classified Activity
Classified Location

4. PROJECT TITLE Support Shops and Storage and Perimeter Road and Fence	5. PROJECT NUMBER

REQUIREMENT: Environmentally controlled, physically secure space is required.

CURRENT SITUATION: This activity presently does not have adequate space available to meet requirements.

IMPACT IF NOT IMPLEMENTED: This activity will not be able to perform its function.

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status

(a) Date design started - October 1985
(b) Percent complete as of January 1, 1986 - 35%
(c) Percent complete as of October 1, 1986 - 100%
(d) Date design completed - September 1986

(2) Basis

(a) Standard or definite design - YES ___ NO XX
(b) Where design was most recently used NA

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

(a) Production of Plans and Specifications	$165
(b) All other design costs	15
(c) TOTAL	$180
(d) Contract	$180
(e) In-House	-0-

(4) Construction Start: December 1986

b. Equipment associated with this project which will be provided from other appropriations: NONE.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

U.S. G.P.O. 1977-241-130/1215

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT ESTERO BAY		
FIRE PROTECTION	880	
DEF FUEL SUPPORT POINT ESTERO BAY		880
OHIO		
DEFENSE LOGISTICS AGENCY		
DEFENSE CONSTRUCTION SUPPLY CENTER		
IMPROVE LIGHTING	590	
IMPROVE WAREHOUSE FACILITIES	290	
DEFENSE CONSTRUCTION SUPPLY CENTER		880
PENNSYLVANIA		
DEFENSE LOGISTICS AGENCY		
DEF REUTILIZATION & MARKETING OFC MECHANBG		
SCRAPYARD IMPROVEMENTS	1,290	
DEF REUTILIZATION & MARKETING OFC MECHANBG		1,290
SOUTH CAROLINA		
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT CHARLESTON		
FIRE PROTECTION	400	
DEF FUEL SUPPORT CHARLESTON		400
DEF FUEL SUPPORT POINT NSC CHARLESTON		
FUEL TANKAGE	5,130	
DEF FUEL SUPPORT POINT NSC CHARLESTON		5,130
**DEFENSE LOGISTICS AGENCY		5,530
TENNESSEE		
DEFENSE LOGISTICS AGENCY		
DEFENSE DEPOT MEMPHIS		
DINING FACILITY	1,100	
DEFENSE DEPOT MEMPHIS		1,100
UTAH		
DEFENSE LOGISTICS AGENCY		
DEFENSE DEPOT OGDEN		
ADMINISTRATIVE FACILITIES	9,780	
DEFENSE LOGISTICS AGENCY		
DEFENSE DEPOT OGDEN		
TRANSIENT AND VISITOR HOUSING	620	
DEFENSE DEPOT OGDEN		10,400
WASHINGTON		
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT MUKILTEO		
FUEL PIER	8,300	
DEF FUEL SUPPORT POINT MUKILTEO		8,300
CONFORMING STORAGE FACILITIES	21,400	
WORLDWIDE VARIOUS		21,400

1. COMPONENT		2. DATE
DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROGRAM	FEB 86

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
DEFENSE REUTILIZATION & MARKETING OFFICE, MECHANICSBURG, PA	DEFENSE LOGISTICS AGENCY	0.91

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	0	0	29	0	0	0	0	0	0	29
b. END FY 19 91	0	0	29	0	0	0	0	0	0	29

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENANT OF THE NAVY	
b. INVENTORY TOTAL AS OF 30 SEP 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,290
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	1,290

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442	Scrapyard Improvement	9,600SF	1,290	4-84	9-85

9. FUTURE PROJECTS:

a. Included in following program (FY 88):

NONE.

b. Planned next three years:

NONE.

10. MISSION OR MAJOR FUNCTIONS:

Performs Reutilization and Marketing Service operations including the receipt, control, warehousing and preparation of excess and surplus personal property for reutilization, donation, sale or other disposition.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSHA)	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS ARE OBSOLETE PAGE NO. 86

1. COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE REUTILIZATON AND MARKETING OFFICE, (DRMO) MECHANICSBURG, PA		4. PROJECT TITLE SCRAPYARD IMPROVEMENT	
5. PROGRAM ELEMENT 78012S	6. CATEGORY CODE 442	7. PROJECT NUMBER N/A	8. PROJECT COST ($000) 1,290

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FACILITY IMPROVEMENT				880
STORAGE BUILDING	SF	9,600	29.6	(284)
STABILIZED OPEN STORAGE AREA	SY	11,900	8.4	(100)
ASPHALT PAVED OPEN STORAGE AREA	SY	6,750	17.22	(116)
ASPHALT PAVED ROAD	SY	4,833	16.55	(80)
SCRAP BINS	SY	2,200	136.4	(300)
SUPPORTING FACILITIES				285
SECURITY FENCING	LF	3,850		(75)
SITE PREPARATION	LS	-	-	(40)
LIGHTING	LS	-	-	(20)
UTILITIES	LS	-	-	(150)
SUBTOTAL				1,165
CONTINGENCY (5%)				58
TOTAL CONTRACT COST				1,223
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				67
TOTAL REQUEST				1,290
TOTAL REQUEST (ROUNDED)				1,290

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a 160' x 60' warehouse building to include 1,000' of office, break area and restrooms. Scarify and maintenance grading of existing stabilized open storage area. Pave 6,750 SY of open storage area around new building. Provide 11,900 SY stabilized open storage north and west of the scrap bins. Construct scrap bins and provide drainage, fence, utilities, and lighting of paved open area.

---

11. REQUIREMENT: 9,600 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Provides improvements to open storage and scrapyard areas. Construction of a new storage facility for the DRMO to carry out the disposal and reutilization mission.

REQUIREMENT: There is a need to upgrade existing inadequate facilities and provide new facilities to meet Department of Defense construction criteria standards.

CURRENT SITUATION: The existing roadway is considered a health and safety problem. Fine material within the stabilized roadway aggregate causes muddy conditions in wet weather and dusty conditions in dry weather, resultant in safety hazards and inefficient operations. The existing concrete scrap bins have deteriorated and must be upgraded to present standards.

IMPACT IF NOT PROVIDED: The use of inadequate facilities with resultant safety hazards, inefficiencies, deterioration of property and reduced proceeds will continue.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS ARE OBSOLETE PAGE NO

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION AND MARKETING OFFICE MECHANICSBURG, PENNSYLVANIA		
4. PROJECT TITLE SCRAPYARD IMPROVEMENT		5. PROJECT NUMBER N/A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 4-84
(b) Percent Complete as of January 1986 100
(c) Percent Complete as of October 1986 100
(d) Date Design Complete 9-85

(2) Basis:
(a) Standard or Definitive Design Yes ___ No X
(b) Where Design Was Most Recently Used NA

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . 92
(b) All Other Design Costs 38
(c) Total. 130
(d) Contract 92
(e) In-house 38

(4) Construction Start 3-87

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT DEFENSE (DLA)	FY ~~19~~ 87 __ MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT, NAVAL SUPPLY CENTER, CHARLESTON, SC	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX 0.81

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	1	0	14	0	0	0	0	0	0	15
b. END FY 19 91	1	0	14	0	0	0	0	0	0	15

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,130
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	5,130

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411	Fuel Tankage	200,000 BL	5,130	3-85	2-86

9. FUTURE PROJECTS:

a. Included in following program (FY 88):

151 NONE.

b. Planned next three years:

NONE.

10. MISSION OR MAJOR FUNCTIONS:

DFSP, Charleston is a government-owned government-operated fuel storage and distribution point. Is responsible for storing, issuing, and receiving DLA-owned fuels.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSHA)	0

1. COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT NAVAL SUPPLY CENTER, CHARLESTON, SC	4. PROJECT TITLE FUEL TANKAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
711115	411	N/A	5,130

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL TANKAGE	BL			1,250
DIESEL FUEL STORAGE	BL	200,000	5.75	(1,150)
LUBE OIL STORAGE TANKS	BL	4,000	25.00	(100)
SUPPORTING FACILITIES	-	--	--	3,381
SPECIAL CONSTRUCTION FEATURES (PILE FOUNDATION)	LF	123,780	10.10	(1,250)
ELECTRICAL UTILITIES	LS	--	--	(350)
MECHANICAL UTILITIES	LS	--	--	(1,020)
ROADS, PARKING, SIDEWALKS	LS	--	--	(11)
SITE IMPROVEMENTS	LS	--	--	(700)
DEMOLITION	LS	--	--	(50)
SUBTOTAL				4,631
CONTINGENCY (5%)				232
TOTAL CONTRACT COST				4,863
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				267
TOTAL REQUEST				5,130

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct two 100,000 barrel (BL) welded steel aboveground storage tanks for diesel fuel and two 2,000 (BL) welded steel aboveground storage tanks for lube oils on new pile supported concrete foundations including transfer pumps, piping, valves, utilities, appurtenances, cathodic protection, site improvement, demolition, dikes for oil spills containment, foam piping and chambers.

11. REQUIREMENT: Varies

PROJECT: Provides two 100,000 barrel (BL) Diesel Fuel Marine (DFM) storage tanks and two 2,000 BL lube oil storage tanks for a total of 204,000 BL of liquid fuel storage capacity.

REQUIREMENT: Adequate liquid fuel storage is required at the Naval Supply Center (NSC), Charleston in support of peacetime/wartime emergency mission. NSC is responsible for providing logistical support to the fleet, Coast Guard, Army, Military Sealift Command, and foreign Navy vessels.

CURRENT SITUATION: There is a serious shortage of DFM and lube oil capacity. The existing facilities are inadequate to satisfy operational requirements. This project will satisfy part of the significant shortfall in both current and future Petroleum Oil Liquid (POL) storage requirements in support of U.S. contingency plans.

IMPACT IF NOT PROVIDED: Failure to support this tankage will seriously affect the capability to support mission requirements. The existing DFM storage system has 58% of the usable capacity identified as substandard, primarily the Chicora tank farm. It is anticipated that these 41 year old buried concrete tanks will continue to leak at an increasing rate and it will be necessary to abandon them. Project replaces some of that storage.

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT NAVAL SUPPLY CENTER, CHARLESTON, SOUTH CAROLINA		
4. PROJECT TITLE FUEL TANKAGE		5. PROJECT NUMBER N/A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 3-85
(b) Percent Complete as of January 1986 50
(c) Percent Complete as of October 1986 90
(d) Date Design Complete 2-86

(2) Basis:
(a) Standard or Definitive Design Yes X No ___
(b) Where Design Was Most Recently Used FY 85 Whittier & Roosevelt Roads

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . 229
(b) All Other Design Costs 93
(c) Total. 322
(d) Contract 229
(e) In-house 93

(4) Construction Start 10-86

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE DEPOT MEMPHIS MEMPHIS, TENNESSEE	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX 0.95

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	11	5	2264	0	0	0	5	8	576	2869
b. END FY 19 91	12	5	2250	0	0	0	6	8	519	2800

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 642	
b. INVENTORY TOTAL AS OF 30 SEP 85	39,251
c. AUTHORIZATION NOT YET IN INVENTORY	8,085
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,160
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	10,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	19,350
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	78,646

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740	New Dining Facility	2,969PN	1,160	3-85	2-86

9. FUTURE PROJECTS:

a. Included in following program (FY 88):

	General Purpose Warehouse		10,800

b. Planned next three years:

441	Integrated Material Handling Complex	LS	17,500
610	ADP & Telcom Facility	LS	1,850

10. MISSION OR MAJOR FUNCTIONS:

Defense Depot Memphis is one of six principal distribution depots in the DLA integrated wholesale distribution system. Its mission is the receipt, storage, maintenance, inventory and issue of clothing, textile, fuel, general supplies, subsistence, and medical commodities. Its major function is the distribution of these commodities to all military activities in the South Central Region consisting of the states of Texas, Oklahoma, Arkansas, Louisiana, and Tennessee, plus the overseas support for all military activities in the Caribbean area including South America.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a.	Air Pollution	0
b.	Water Pollution	0
c.	Occupational Safety and Health (OSHA)	0

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION DEFENSE DEPOT MEMPHIS MEMPHIS, TENNESSEE	4. PROJECT TITLE NEW DINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
71111S	740	N/A	1,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				963
NEW DINING FACILITY	SF	13,400	64.42	(863)
KITCHEN EQUIPMENT	LS			(100)
SUPPORTING FACILITIES				85
SITE IMPROVEMENTS	SY	1,500	23.33	(35)
IMPORTED FILL	SY	830	6	(5)
RAMP CONSTRUCTION	LS			(5)
UTILITY SERVICE	LS			(25)
DEMOLITION BUILDING S558	LS			(10)
DEMOLITION BUILDING T275	LS			(5)
SUBTOTAL				1,048
CONTINGENCY (5%)				52
ESTIMATED CONTRACT COST				1,100
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				60
TOTAL ESTIMATE				1,160
TOTAL ESTIMATE (ROUNDED)				1,160
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(60)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will consist of a dining facility to replace an existing and two satelite cafeterias. Construction shall be concrete floors, foundatio with an insulated stucco finish. Overhangs will be used as a passive sola purpose at the glass walls of the dining room; heating, air-conditioning, fire protection and other outside utility extensions. Demolish Buildings S558 and T275.

11. REQUIREMENT: 2,869 PN ADEQUATE: 0 PN SUBSTANDARD: 0 PN

PROJECT: Provides for construction of a 400 seat cafeteria style dining facility.

REQUIREMENT: There is a need to provide modern food service for the maintenance of the health, welfare and morale of depot employees. This project will improve sanitary and health conditions, and simplify food service operations.

CURRENT SITUATION: Existing facilities consist of a small cafeteria in the basement of an administrative building and two satelite dining rooms i two 40 year old facilities. Food is prepared in the small cafeteria and transported to the satelite locations resulting in unsanitary conditions and inefficiencies for the food vendor.

IMPACT IF NOT PROVIDED: The use of inadequate facilities with resultant health hazards and inefficiencies will continue.

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE DEPOT MEMPHIS MEMPHIS, TENNESSEE		
4. PROJECT TITLE NEW DINING FACILITY		5. PROJECT NUMBER N/A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started. 3-85
(b) Percent Complete as of January 1986 35
(c) Percent Complete as of October 1986 100
(d) Date Design Complete 2-86

(2) Basis:
(a) Standard or Definitive Design Yes ___ No X
(b) Where Design Was Most Recently Used NA

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . 51
(b) All Other Design Costs 21
(c) Total. 72
(d) Contract 51
(e) In-house 21

(4) Construction Start 10-86

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated As Requested	Cost ($000)
Various Kitchen Equipment	O&M	1987	60

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86

3. INSTALLATION AND LOCATION DEFENSE DEPOT OGDEN OGDEN, UTAH	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX 1.05

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	10	2	1642	0	0	0	25	169	243	2091
b. END FY 19 91	10	2	1642	0	0	0	25	250	243	2172

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 1,132	
b. INVENTORY TOTAL AS OF 30 SEP 85	47,156
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	14,500
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	72,056

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610	Administrative Facilities	123,000SF	9,780	8-85	7-86
724	Transient and Visitor Hsg (See Projects $1M & less)	6,000SF	620	7-85	4-86

9. FUTURE PROJECTS:

a. Included in following program (FY 88):

None

b. Planned next three years:

441	Aerial Transport System	LS	3,000
441	General Purpose Warehouse	LS	11,500

10. MISSION OR MAJOR FUNCTIONS:

Defense Depot Ogden is one of six principal distribution depots in the DLA integrated wholesale distribution system. Its mission is the receipt, storage, maintenance, inventory and issue of DLA assigned centrally managed items. Its major function is the distribution of these commodities to Army, Navy, and Air Force installations in 13 western states, including Alaska and Hawaii, together with the South Pacific and the Far East. In addition, DDOU is one of the two principal maintenance activities for DLA-owned supply items.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSHA)	0

1 COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION DEFENSE DEPOT OGDEN (DDOU) OGDEN, UTAH	4 PROJECT TITLE ADMINISTRATIVE FACILITIES

5 PROGRAM ELEMENT 71111S	6 CATEGORY CODE 610	7 PROJECT NUMBER N/A	8 PROJECT COST ($000) 9,780

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADMINISTRATIVE FACILITIES				8,159
NEW ADMINISTRATIVE BUILDING	SF	123,000	58.28	(7,168)
BUILDING 1 - MODIFICATION	SF	51,504	16.67	(859)
BUILDING 3 - MODIFICATION	SF	7,948	16.61	(132)
SUPPORTING FACILITIES				671
SITE IMPROVEMENT	LF	-	-	(500)
DEMOLITION				(171)
SUBTOTAL				8,830
CONTINGENCY (5%)				441
TOTAL CONTRACT COST				9,271
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				509
TOTAL REQUEST				9,780
TOTAL REQUEST (ROUNDED)				9,780

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a permanent facility to house administrative, automated data processing, and communications equipment. Modify Building 1 and 3 to locate ancillary administrative functions and training facilities. Demolish Buildings 2, T-39, T-40, T-42, T-43 and T-47.

11. REQUIREMENT: 123,000SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Provides construction of a 123,000SF facility to house administrative offices, automated data processing (ADP) support, communications equipment, and training services. Conversion of 7,948SF in Building 3 to a training facility to include an auditorium and 51,504SF of Building 1 to a multi-purpose community support facility.

REQUIREMENT: There is a need to consolidate Depot Administrative and ADP operations as well as provide adequate facilities to conform with Department of Defense construction criteria standards. Accomplishment of the Depot's mission is dependent upon successful administrative and data processing performance. The military mission has increased by assignment of 180 additional people (U.S. Army CONUS Communication Support Center). The number of military personnel is expected to rise to 250 by 1988 which changes needs for military support type items.

CURRENT SITUATION: Currently administrative offices are scattered in twelve locations interspersed with warehouse storage functions. The computer facility is not conductive to an efficient operation or effective ADP physical security program. Due to difficiencies inherent in the present type of construction and layout, resulting from the past renovation projects and functional changes, upgrade of the ADP facilities is not practical. This project will allow for demolition of six World War II vintage buildings which are not energy efficient and costly to maintain.

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1 COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION DEFENSE DEPOT OGDEN OGDEN, UTAH		
4 PROJECT TITLE ADMINISTRATIVE FACILITIES		5 PROJECT NUMBER N/A

IMPACT IF NOT PROVIDED: Deferral of this project will result in continued vulnerability of physical security, and systems unreliability of the ADP and communication operations. Inefficiencies will continue affecting DDOUs ability to respond to the needs of military customers throughout the world.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started 8-85
- (b) Percent Complete as of January 1986 35
- (c) Percent Complete as of October 1986 100
- (d) Date Design Complete 7-86

(2) Basis:
- (a) Standard or Definitive Design Yes ___ No X
- (b) Where Design Was Most Recently Used NA

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications 426
- (b) All Other Design Costs 174
- (c) Total 600
- (d) Contract 426
- (e) In-house 174

(4) Construction Start 3-87

b. Equipment associated with this project which will be provided from other appropriations: None.

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READEX FICHE

1. COMPONENT DEFENSE (DLA)	FY $\overset{87}{19}$__ MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT MUKILTEO, WASHINGTON	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX 1.12

6. PERSONNEL STRENGTH N/A	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE N/A	
b. INVENTORY TOTAL AS OF 30 SEP 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,360
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	6,360

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
151	Fuel Pier	715 FB	6,360	2-85	3-86

9. FUTURE PROJECTS:

a. Included in following program (FY 88):

NONE.

b. Planned next three years:

NONE.

10. MISSION OR MAJOR FUNCTIONS:

DFSP, Mukilteo is a government-owned, contractor-operated fuel storage and distribution point. Mukilteo is responsible for supply JP-4 and AVGAS to various Defense Agencies in Washington, Oregon, Alaska and Montana.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSHA)	0

1 COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT MUKILTEO, WA	4 PROJECT TITLE FUEL PIER

5 PROGRAM ELEMENT 71111S	6 CATEGORY CODE 151	7 PROJECT NUMBER NA	8 PROJECT COST ($000) 6,360

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
NEW FUEL PIER	FB	715	3,248	2,322
NEW PIER	LF	1,495	817	(1,222)
DOLPHINS & FENDERING SYSTEM	LS	-	-	(1,100)
SUPPORTING FACILITIES				3,419
DEMOLISH EXISTING PIER	LS	-	-	(900)
MECHANICAL (VALVES, PIPING, LOADING ARMS)	LS	-	-	(2,019)
ELECTRICAL	LS	-	-	(500)
SUBTOTAL				5,741
CONTINGENCY (5%)				287
ESTIMATED CONTRACT COST				6,028
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				332
TOTAL ESTIMATE				6,360

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a new fuel pier, 12' wide, with maintenance vehicular access to fueling station to include a 43' wide x 160' long dock. Four mooring dolphins, two breasting platforms and installation of product pipelines. Included will be appropriate fire protection, protective coatings, marine loading arms, and appurtenances.

11. REQUIREMENT: 715 FB ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Provides a new tanker berth to accommodate 38,000 dead weight ton vessels for fueling operations.

REQUIREMENT: Mukilteo receives AVGAS and JP-4 from tankers and barges, and distributes these fuel products via tankers, barges, and tank trucks to various defense agencies in Washington, Oregon, Alaska, and Montana. There is a requirement to replace the existing structurally unsound pier.

CURRENT SITUATION: The existing pier was built in 1941 as an ammunition and supply pier and converted to petroleum use in 1953. An engineering study conducted in 1982 determined that the pier had deteriorated to the point that replacement is more economical than repair. The study revealed structural problems such as rotten piles, deck, ladders and catwalks. Failure of the structural members could cause property damage, fuel spill, and possible injury to personnel.

IMPACT IF NOT PROVIDED: Present fueling operations will continue with the chance of environmental problems, loss of fuel inventory, and injury to personnel.

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT MUKILTEO, WASHINGTON		
4. PROJECT TITLE FUEL PIER		5. PROJECT NUMBER N/A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 2-85
(b) Percent Complete as of January 1986 65
(c) Percent Complete as of October 1986 100
(d) Date Design Complete 3-86

(2) Basis:
(a) Standard or Definitive Design Yes ____ No X
(b) Where Design Was Most Recently Used NA

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . 280
(b) All Other Design Costs 114
(c) Total. 394
(d) Contract 280
(e) In-house 114

(4) Construction Start 10-86

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT CHIMU WAN, OKINAWA, JAPAN	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX 1.07

6. PERSONNEL STRENGTH N/A	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF THE ARMY	
b. INVENTORY TOTAL AS OF	30 SEP 85	0
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,640
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		9,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		16,240

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411	Fuel Tankage	200,000BL	6,640	4-85	1-86

9. FUTURE PROJECTS:

a. Included in following program (FY 88):

411	Fuel Tankage Plant	200,000BL	9,600

b. Planned next three years:

NONE.

10. MISSION OR MAJOR FUNCTIONS:

The Petroleum Distribution System, Okinawa (PDSO) is responsible for providing logistical support of Defense Logistics Agency (DLA) owned bulk petroleum to all U.S. Forces and Department of Defense authorized agencies on Okinawa.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a.	Air Pollution	0
b.	Water Pollution	0
c.	Occupational Safety and Health (OSHA)	0

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1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX VARIES

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL ....

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442	Pollution Abatement Facilities	VARIES	21,400		35*
	Conforming Storage Facilities				

* For those projects not specifically being designed now by an Architect Engineer (AE), a standard design has been developed which will be site adapted and which constitutes more than 35% design complete. For those projects previously assigned to an AE, all meet or exceed 35% design.

1. COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES	4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
780125	442	VARIES	21,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POLLUTION ABATEMENT FACILITIES	LS	--	--	21,400
CONFORMING STORAGE FACILITES	LS	--	--	(21,400)
PROVIDED FROM O&M APPROPRIATION (FY 87)		(NON-ADD)		(9,200)
TOTAL ESTIMATE				21,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION

11. REQUIREMENT: VARIES

PROJECT: Provides conforming interim storage of hazardous materials and hazardous waste in compliance with environmental standards under Subtitle C of the Resource Conservation and Recovery Act.

REQUIREMENT: The Defense Logistics Agency is the responsible agency within the Department of Defense (DoD) for worldwide disposal of specified DoD generated hazardous materials. It is essential that related construction requirements needed to fulfill this mission be provided and that the operation complies with existing statutes. This is first year of revised three year program with total projected expenditures of over $100 million for the construction of some 160 Conforming Storage Facilities projects. Thirty additional projects have been or will be completed with prior year funding. In FY 1987, we are requesting, for the first time, block funding of Military Construction funds for conforming storage projects without designation of specific projects. This method of funding will allow us to shift funds to those projects where the site has obtained an EPA permit. This flexibility will ensure that those projects ready to be built are not delayed due to a lack of funds.

IMPACT IF NOT PROVIDED: Mission accomplishment would be seriously impaired Potencial would exist for violation of RCRA which requires hazardous materials be segregated and repackaged in accordance with certain specifications prior to disposal and/or resale by the Defense Reutilization and Marketing Offices. Installations could be declared in non-compliance with environmental laws and be subjected to civil and/or criminal legal actions. Part B permits could be withheld or withdrawn.

FY 1987 CONFORMING STORAGE FACILITIES

LOCATION	CWE $000
ABERDEEN, MD	169.6
ANKARA, TURKE	285.0
BERGSTROM, TX	165.0
BERMUDA	260.0
BLISS, TX	157.0
BLYTHEVILLE, AR	125.0
BRAGG, NC	703.1
BRANDYWINE, MD	1200.0
BRUNSWICK, ME	570.0
CAMPBELL, KY	274.6
CHAFFEE, AR	125.0
CHARLESTON, SC	3015.0
COLORADO SPRINGS, CO	770.0
COLUMBUS, OH	125.0
DOVER, DE	187.5
DULUTH, MN	225.0
EDWARDS, CA	184.0
EGLIN(ALT), FL	35.0
ELLSWORTH, SD	350.0
F.E. WARREN, WY	260.0
GORDON, GA	260.0
GREAT FALLS, MT	195.0
GUAM, GUAM	1700.0
HOMESTEAD, FL	400.0

LOCATION	CWE $000
INCIRLIK, TURKE	375.0
INDIANAPOLIS, IN	350.0
IWAKUNI, JAPAN	87.4
KEFLAVIK, ICELA	160.0
KIRTLAND, NM	840.0
LAUGHLIN, TX	225.0
LEAVENWORTH, KS	148.2
LEONARD WOOD, MO	144.0
LIMESTONE, ME	535.0
LITTLE ROCK, AR	260.0
MECHANICSBURG, PA	280.0
MEMPHIS, TN	1300.0
MOUNTAIN HOME, ID	180.0
MYRTLE BEACH, SC	260.0
McALESTER, OK	280.0
McCLELLAN, AL	225.0
NORFOLK, VA	3000.0
PINE BLUFF, AR	150.0
PLATTSBURG, PA	510.0
POLK, LA	225.0
REESE, TX	225.0
ROCK ISLAND, IL	400.0
ROME, NY	1680.0
RUCKER, AL	225.0

LOCATION	CWE $000
SAGAMI(INT)	197.2
SAN ANTONIO(ALT), TX	280.0
SAWYER, MI	260.0
SCOTT, IL	260.0
SELFRIDGE, MI	360.0
SHEPPARD, TX	168.9
SILL, OK	225.0
SPARTA, WI	260.0
SPOKANE, AF	280.0
STEWART, GA	730.0
TAMPA, FL	225.0
TOBYHANNA, PA	610.0
TOOELE, UT	150.0
TORREJON, SPAIN	139.5
TUCSON, AZ	150.0
VALDOSTA, GA	256.7
WHITEMAN, MO	260.0
WRIGHT PATTERSON, OH	700.0
WURTSMITH, MI	850.0
ZARAGOZA, SPAIN	189.9

SUB TOTAL 30357.6

POSSIBLE FY88 PROJECTS ACCELERATED TO FY87

LOCATION	CWE $000
CHAMBERSBURG, ME	2100.0

LOCATION	CWE $000
CHANUTE, IL	225.0
COLUMBUS, OH	720.0
EL TORO, CA	2600.0
GRAND FORKS, ND	850.0
HILL (EXP), UT	990.0
HOLLOMAN (EXP), NM	560.0
HUNTSVILLE, AL	300.0
LAJES, PORTU	260.0
MARE ISLAND, CA	870.0
OGDEN, UT	710.0
ORLANDO,FL	850.0
PENDLETON, CA	1500.0
PENSACOLA, FL	1200.0
PORT HUENEME, CA	710.0
WESTOVER, MA	700.0
WHIDBEY, WA	535.0
YUMA, AZ	660.0
SUB TOTAL	16340.0
GRAND TOTAL	46697.6

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ALASKA		
DEFENSE LEVEL ACTIVITIES		
FORT WAINWRIGHT		
TROOP MEDICAL AND DENTAL CLINIC	8,800	
FORT WAINWRIGHT		8,800
CALIFORNIA		
EDWARDS AFB		
DENTAL CLINIC	3,950	
EDWARDS AFB		3,950
MARCH AFB		
ADD/ALTER MEDICAL LOGISTIC FACILITY	2,350	
MARCH AFB		2,350
FORT ORD		
HOSPITAL ADDITION	530	
FORT ORD		530
TRAVIS AFB		
*COMPOSITE MEDICAL FACILITY PHASE IV	87,500	
TRAVIS AFB		87,500
AUTHORIZED IN PRIOR YEAR		(87,500)
VANDENBERG AFB		
ADD/ALTER MEDICAL CENTER CLINIC ANNEX	1,900	
VANDENBERG AFB		1,900
**DEFENSE LEVEL ACTIVITIES		101,630
AUTHORIZED IN PRIOR YEAR		(87,500)
HAWAII		
DEFENSE LEVEL ACTIVITIES		
PEARL HARBOR		
OCCUPATIONAL HEALTH CLINIC	9,700	
PEARL HARBOR		9,700
IDAHO		
DEFENSE LEVEL ACTIVITIES		
MOUNTAIN HOME AFB		
COMPOSITE MEDICAL FACILITY	30,500	
MOUNTAIN HOME AFB		30,500
LOUISIANA		
DEFENSE LEVEL ACTIVITIES		
FORT POLK		
TROOP MEDICAL CLINIC	2,650	
FORT POLK		2,650
MARYLAND		
DEFENSE LEVEL ACTIVITIES		
ANDREWS AFB		
ALTER MEDICAL CENTER CLINIC ANNEX	2,000	
ANDREWS AFB		2,000
USUHS BETHESDA		
MEDICAL STORAGE FACILITY	900	
USUHS BETHESDA		900
**DEFENSE LEVEL ACTIVITIES		2,900
MISSISSIPPI		
DEFENSE LEVEL ACTIVITIES		
KEESLER AFB		
ADD/ALTER RADIOLOGY LINER ACCELERATOR	3,100	
KEESLER AFB		3,100

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

      ACTIVE, GUARD AND RESERVE FORCES         DATA AS OF 04 FEB 1986
          INSIDE THE UNITED STATES
               ($ THOUSANDS)
STATE/COMP./INSTALLATION                                 PROJ COST      TOTAL
-------------------PROJECT NAME---------------          ----------   ----------
NEW JERSEY
  DEFENSE LEVEL ACTIVITIES
    MCGUIRE AFB
     DENTAL CLINIC                                           3,800
      MCGUIRE AFB                                                         3,800

NEW MEXICO
  DEFENSE LEVEL ACTIVITIES
    KIRTLAND AFB
     ADD/ALTER COMPOSITE MEDICAL FACILITY                   25,550
      KIRTLAND AFB                                                       25,550


NORTH CAROLINA
  DEFENSE LEVEL ACTIVITIES
    CAMP LEJEUNE
     MEDICAL AND DENTAL CLINIC                               3,900

TEXAS
  DEFENSE LEVEL ACTIVITIES
    BROOKS AFB
     ADD/ALTER DRUG ABUSE DETECTION LAB                      1,850
      BROOKS AFB                                                          1,850

    FORT HOOD
     TROOP MEDICAL CLINIC                                    3,450
      FORT HOOD                                                           3,450

    RANDOLPH AFB
     CLINIC/DENTAL CLINIC                                   13,700
      RANDOLPH AFB                                                       13,700
                                                                     ----------
   **DEFENSE LEVEL ACTIVITIES                                            19,000

WASHINGTON
  DEFENSE LEVEL ACTIVITIES
    FORT LEWIS
     MADIGAN ARMY MEDICAL CENTER PHASE II                   72,100
      FORT LEWIS                                                         72,100
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1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86
3. INSTALLATION AND LOCATION Fort Wainwright Alaska	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 2.13

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	336	1890	462	45	855	0	88	285	115	3,976
B. END FY 91	568	4551	794	50	950	0	150	512	393	7,885

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 606,250 AC

B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	136,700
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	61,863
F. PLANNED IN NEXT THREE YEARS	83,639
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	272,201

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214	178	TACT EQUIP SHOP - LID	39,000	04/85	07/86
890	177	UTILITY EXPANSION - LID	21,000	06/85	09/86
740	176	CHILD CARE CENTER-LID	11,000	04/85	08/86
214	183	TACT SHP (2)-LID	9,900	04/85	07/86
721	182	BARRACKS MOD/CONV (5) LID	21,000	05/85	09/86
722	181	DINING FACILITY(3)-LID	26,600	04/85	08/86
214	184	TACT SHP-ORG-LID	7,200	04/85	07/86
		SUBTOTAL PROJECTS OVER $1M	136,700		
		TOTAL	136,700		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
171	UH-60 FLT SIM BLDG-LID	4,404
721	BARRACKS MOD W/ADMIN-LID	13,067
740	Commissary	18,300
442	GOAD STOR WHSE ADD (LID)	1,016
740	POST EXCHANGE -LID	9,570
214	COMPOSITE MAINT FACILITY	9,900
141	BATTALION HQ BLDG	2,026
123	CONSOLIDATED FUEL FAC	1,100
	SUBTOTAL PROJECTS OVER $1M	61,213
740	CLOTHING SALES STORE -LID	650
	SUBTOTAL PROJECTS $1M & LESS	650
	TOTAL	61,863

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION: Fort Wainwright Alaska

10. MISSION OR MAJOR FUNCTIONS:

The mission is the defense of Alaska, including the initial defense of the Aleutian Islands.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	500
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

FY 19**87** MILITARY CONSTRUCTION PROJECT DATA			2.DATE 28 JAN 86
AND LOCATION .nwright, Alaska		4.PROJECT TITLE Troop Medical and Dental Clinic	
AM ELEMENT 87711A	6.CATEGORY CODE 550	7.PROJECT NUMBER 175	8.PROJECT COST ($000) Auth 8,800 Approp 8,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,266
Medical/Dental Clinic	SF	30,465	202.80	(6,178)
Air Intake & Exhaust Structures	EA	2	43,965	(88)
Supporting Facilities				1,109
Electric Service	LS	-	-	(174)
Water, Sewer & Gas	LS	-	-	(3)
Paving, Walks, Curbs & Gutters	LS	-	-	(494)
Site Improvement	LS	-	-	(380)
Communication	LS	-	-	(58)
Subtotal				7,375
Contingency (5.00%)				369
Total Contract Cost				7,744
Supervision, Inspection & Overhead (5.50%)				426
Category 'E' Equipment				678
Total Request				8,848
Total Request (Rounded)				8,800
Installed Equipment - Other Appropriations				(1,420)

10.Description of Proposed Construction Construct a combined troop medical and dental clinic adjacent to the troop housing area. Project will include utilities, communications, roads, storm drainage, parking, site work, and an operational concept manual. Accessibility for the handicapped will be provided.

11. REQUIREMENT: 30,465 SF ADEQUATE: None SUBSTANDARD: 3,831 SF

PROJECT: Construct a combined troop medical and dental clinic.

REQUIREMENT: This project is required to provide a combined troop medical and dental clinic to serve the needs of troops on the base, including those resulting from activation of a new infantry division. This 143 percent troop strength increase combined with the increase in dependents will overtax the present facilities.

CURRENT SITUATION: Bassett Army Hospital provides outpatient care within the main hospital facility. The present facility cannot provide quality patient care for the increased numbers of troops and dependents to be assigned to the post.

IMPACT IF NOT PROVIDED: If this project is not provided, the troops assigned to the new Light Infantry Division will not receive adequate outpatient medical care. Waiting times will increase and health and morale will decline. The present facilities will be overtaxed by the increased

DD 1 FORM DEC 76 DD1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86
3.INSTALLATION AND LOCATION Fort Wainwright, Alaska		
4.PROJECT TITLE Troop Medical and Dental Clinic		5.PROJECT NUMBER 175

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
demand for services.

ADDITIONAL: An Economic Analysis is not necessary for this project. All potential alternatives were examined in the development of the project and none were found to be feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAY 85
(b) Percent Complete As Of January 1986 .... 65%
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... SEP 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No __
(b) Where Design Was Most Recently Used EIELSON A.F.B. [illegible] A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 641
(b) All Other Design Costs 380
(c) Total Cost 1,021
(d) Contract 821
(e) In-house 200

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA	4 COMMAND AIR FORCE SYSTEMS COMMAND	5 AREA CONSTR COST INDEX 1.30

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	753	3,495	2,301	0	0	0	46	55	0	6,650
b. END FY 19 91	690	3,402	2,375	0	0	0	46	55	0	6,568

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (307,970)	
b. INVENTORY TOTAL AS OF 30 Sept 85	328,210
c. AUTHORIZATION NOT YET IN INVENTORY	2,450
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	97,470
g. REMAINING DEFICIENCY	89,900
h. GRAND TOTAL	549,930

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
540-243	Dental Clinic	16,900 SF	(3950)**	Mar 85	May 86
141-461	Add to and Alter Test Management and Security Facility	5,750 SF	1,400	Dec 82	Apr 86
217-712	Alter Avionics Shop	21,800 SF	2,300	May 83	Dec 85
317-932	Add to and Alter Avionics Research Laboratory	28,600 SF	7,200	Jun 85	Sep 86
318-632	Add to Propellant Laboratory Complex	11,340 SF	5,500	Feb 85	Apr 86
			16,400		

** Not included in AF Totals

9. Future Projects: (a) Included in Following Program (FY 88):

141-383	Alter Photo Lab	40,000 SF	3,550
211-159	Corrosion Control Facility	24,600 SF	4,100
317-316	Range Maintenance Facility	5,050 SF	750
317-315	Add to and Alter Flight Test Mission Control Center	30,300 SF	4,800
740-316	Add to and Alter Recreation Facility	27,800 SF	2,300
	Total		15,500

10. Mission or Major Functions: The Air Force Flight Test Center is responsible for flight test activities for all Air Force flying weapons systems. Air Force Test Pilot School provides Air Force resources for programs requiring test pilots. Air Force Rocket Propulsion Laboratory conducts Air Force research and development on rocket propulsion systems. Site of the NASA Dryden Flight Research Facility. Primary landing site for all Space Shuttle test and evaluation flights

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE DENTAL CLINIC

5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 540-243	7 PROJECT NUMBER PSPM870001	8 PROJECT COST ($000) 3,950

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DENTAL CLINIC	SF	16,900	155	2,620
SUPPORTING FACILITIES				713
SITE IMPROVEMENTS	LS			(170)
UTILITIES	LS			(210)
PAVEMENTS	LS			(190)
COMMUNICATIONS	LS			(143)
SUBTOTAL				3,333
CONTINGENCY (5%)				167
TOTAL CONTRACT COST				3,500
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				193
MEDICAL EQUIPMENT (CATAGORIES E AND F)				275
TOTAL REQUEST				3,968
TOTAL REQUEST (ROUNDED)				3,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(500)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, single-story construction, built-up roof system and all necessary utilities and support. Includes all communication system requirements, facility systems operating manuals and relocation of existing helicopter pad. Air Conditioning: 35 Tons.

11. REQUIREMENT: 16,900 SF ADEQUATE: 0 SUBSTANDARD: 6,360 SF

PROJECT: Construct a base dental clinic with 24 dental treatment rooms.

REQUIREMENT: This project is required to provide for the delivery of modern, efficient dental care to the permanent party military personnel stationed at Edwards AFB.

CURRENT SITUATION: The present dental clinic was originally constructed in 1954 and was subsequently added to and altered in the 1960s. Two dental treatment rooms are located in the main hospital. The existing, stand-alone facility cannot be economically upgraded to acceptable standards for a modern dental clinic. Dental treatment rooms and other functional areas are cramped and inadequate. The concrete floor precludes the installation of modern dental treatment chairs and equipment. The lack of space has compromised functional operation and is not conducive to efficient use of materials and manpower resources. A new facility is required to permit optimum use of dental personnel and resources and will replace an inefficient and undersized structure.

IMPACT IF NOT PROVIDED: Dental care will continue to be provided from an aged, undersized, and inefficient facility with a separate operating location in the main hospital. This will continue to adversely impact dental care effectiveness and facility utilization.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE DENTAL CLINIC		5. PROJECT NUMBER FSPM870001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started — 85 MAR 25
(b) Percent Complete as of January 1986 — 55
(c) Percent Complete as of October 1986 — 100
(d) Date Design Complete — 86 MAY 28

(2) Basis
(a) Standard or Definitive Design - Yes X No
(b) Where Design Was Most Recently Used - MARCH

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications — 214
(b) All Other Design Costs — 211
(c) Total — 425
(d) Contract — 337
(e) In-house — 88

(4) Construction start — 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Dental Equipment	3080	87	500

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 1.18

6 PERSONNEL STRENGTH	[illegible]			STUDENTS			SUPPORTED			TOTAL
a. AS OF 30 Sept 85	724	3,224	924	0	120	0	0	0	0	4,992
b. END FY 19 91	744	3,318	933	0	120	0	0	0	0	5,115

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (7,916)

b. INVENTORY TOTAL AS OF 30 Sept 85

c. AUTHORIZATION NOT YET IN INVENTORY 162,940

d. AUTHORIZATION REQUESTED IN THIS PROGRAM 9,000

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 16,640

f. PLANNED IN NEXT THREE PROGRAM YEARS 0

g. REMAINING DEFICIENCY 11,100

h. GRAND TOTAL 30,320

230,000

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510-713	Add to and Alter Medical Logistics Facility	33,600 SF	(2350)**	Mar 85	Apr 86
121-122	KC-10 Hydrant Fueling System with CASS Provisions	LS	13,600	Jan 83	Jul 86
211-183	T-9 Noise Suppressor Support Facility	LS	840	May 85	Jul 86
610-286	Air Division Headquarters (Appropriation only)	19,000 SF	2,200*	Jun 84	Feb 86
	Total Appropriation Request		16,640		
	Total Authorization Request		14,440		
	Carry-over Authorization in FY 86		2,200*		

** Not included in AF Totals

Future Projects: (a) Included in Following Program (FY 88): None

(b) Typical Planned Next Three Years:

219-944	Base Engineer Complex	73,400 SF	6,300
610-120	Base Supply Administrative Facility	LS	900
722-351	Dining Hall	LS	3,900

10. Mission or Major Functions: Active mission support activities include a numbered headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a KC-135 squadron which maintains a tanker alert force; a regional hospital which provides medical care to Department of Defense beneficiaries; Air Force Reserve F-4C and C-130B tenants; and a KC-135 tenant heavy air refueling wing performing training to maintain combat readiness with the KC-135 unit supporting operational tanker requirements and maintaining a tanker alert force; and the beddown location for two heavy aerial refueling squadrons of KC-10 aircraft, one active and one reserve.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0

b. Water pollution: 0

c. Occupational safety and health: 0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE ADD TO AND ALTER MEDICAL LOGISTICS FACILITY

5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 510-713	7 PROJECT NUMBER PCZP860007	8 PROJECT COST ($000) 2,350

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER MEDICAL LOGISTICS FACILITY	SF	33,600		1,897
ALTERATION	SF	(8,200)	30	(246)
ADDITION	SF	(25,400)	65	(1,651)
SUPPORTING FACILITIES				214
SITE IMPROVEMENTS	LS			(50)
UTILITIES	LS			(95)
PAVEMENTS	LS			(35)
COMMUNICATION SUPPORT	LS			(34)
SUBTOTAL				2,111
CONTINGENCY (5.0%)				106
TOTAL CONTRACT COST				2,217
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				122
TOTAL REQUEST				2,339
TOTAL REQUEST (ROUNDED)				2,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, concrete tilt-up panel walls, steel columns and joists, a built-up roofing system, and including all necessary support. Functional areas incude bulk storage, morgue, medical equipment maintenance, linen service, administrative and mechanical support space. Air Conditioning: 19 Tons.

11. REQUIREMENT: 33,600 SF ADEQUATE: 2,200 SF SUBSTANDARD: 23,200 SF

PROJECT: Alter the existing medical logistics area within the composite medical facility (CMF) and construct a warehouse adjacent to the facility.

REQUIREMENT: A facility of adequate size and proper location is required to accommodate material inventories, and War Readiness Materiel (WRM) in support of this regional hospital. It must provide protection of medical materiel assets from temperature deviations and afford proper security. Biomedical equipment maintenance, linen service, housekeeping, logistics, administration, and morgue will be sized and functionally located to efficiently support the mission of the hospital.

CURRENT SITUATION: Medical material storage functions are currently managed in three buildings located at a considerable distance from one another. This separation results in poor operational control, inefficient use of manpower, and an uneven flow of medical material to clinic and inpatient services. Medical logistics functions are severely undersized to support the current mission. Efficient warehouse techniques cannot be used to due to the lack of space and the low ceiling height. Loading docks are inefficient and poorly located. The flow of material is cumbersome in most work areas. Two of the three logistics buildings are of wood construction and fail to meet minimum

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO AND ALTER MEDICAL LOGISTICS FACILITY		5. PROJECT NUMBER PCZP860007

life safety and material security standards. One of the facilities stores War Readiness Materiel including a fifty bed Air Transportable Hospital (ATH), blood donor center, and beds and equipment necessary to fulfill the expanded role of the hospital during contingency operations. In the past, vermin infestation, due to building deterioration, has caused damage to readiness assemblages. This same building is without heating, cooling, or sprinkler systems; material subjected to this environment deteriorates at an unacceptably fast rate. IMPACT IF NOT PROVIDED: Failure to provide this project will result in the continued inefficient management of valuable medical resources. The lack of environmentally controlled, secure, and adequately sized storage space will compromise the readiness posture of the hospital.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO AND ALTER MEDICAL LOGISTICS FACILITY		5. PROJECT NUMBER PCZP860007

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAR 18
(b) Percent Complete as of January 1986	64
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 24

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	127
(b) All Other Design Costs	196
(c) Total	323
(d) Contract	254
(e) In-house	69

(4) Construction start 88 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA	4. COMMAND MILITARY AIRLIFT COMMAND	5. AREA CONSTRUCTION COST INDEX 1.27

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
a. AS OF 30 Sept 85	1,165	6,370	2,209	0	0	0	219	297	60	10,320
b. END FY 19 91	1,188	6,775	2,231	0	0	0	219	297	60	10,770

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (6,785)	
b. INVENTORY TOTAL AS OF 30 Sept 85	219,765
c. AUTHORIZATION NOT YET IN INVENTORY	119,460
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	570
f. PLANNED IN NEXT THREE PROGRAM YEARS	62,481
g. REMAINING DEFICIENCY	23,040
h. GRAND TOTAL	440,016

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
510-001	Composite Medical Facility-Phase-IV	LS	(87500)**	Nov 82	Feb 85
131-132	SATCOM Ground Terminal	3,400 SF	1,900	Jul 85	Mar 86
211-152	Alter Aircraft Maintenance Hangar	20,500 SF	1,600	Aug 84	Oct 85
610-129	Weapons System Maintenance Management & Support Facility (Appropriation Only)	53,600 SF	6,500*	May 83	Oct 84
740-674	Physical Fitness Center	18,500 SF	4,700	Mar 85	May 86
			14,700		

*Carry-over Authorization in FY 86

** a) Not included in AF Totals

b) Fully authorized in FY 85 MCP

9. Future Projects: (a) Included in Following Program (FY 88):

610-112	Judge Advocate Facility	10,100 LS	570
	(b) Typical Planned Next Three Years:		
112-211	Aircraft Apron	8,400 SY	1,600
112-211	Parallel Taxiway	LS	31,000
131-111	Consolidated Communications Facility	33,900 SF	8,900
141-784	Alter Passenger Terminal	LS	650

10. Mission or Major Functions: Supports a numbered Air Force headquarters, two military airlift wings (one active and one reserve) with C-5 and C-141 aircraft and a major Air Force medical center.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	62
c. Occupational safety and health:	5,930

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE COMPOSITE MEDICAL FACILITY (PHASE IV)

5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 510-001	7 PROJECT NUMBER XDAT870008L	8 PROJECT COST ($000) 87,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPOSITE MEDICAL FACILITY TOTAL AUTH (FY 85 MCP)	LS			201,200
COMPOSITE MEDICAL FACILITY	LS			144,377
SUPPORTING CONTRACTS	LS			6,839
SUBTOTAL				151,216
CONTINGENCY (5.0%)				7,561
TOTAL CONTRACT COST				158,777
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%)				8,733
HYPERBARIC CHAMBER	LS			10,610
MEDICAL EQUIPMENT (CATAGORIES E AND F)	LS			17,780
TOTAL REQUIREMENT				195,900
PRIOR APPROPRIATIONS (FY 85 AND FY 86)				-108,400
FY 87 FUNDING REQUIREMENT				87,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(24,515)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slabs, multi-story structural steel frame, shear walls, concrete roof on metal decking and built-up roof system and all necessary plumbing, mechanical and electrical utility support and including all communication system requirements and facility systems operating manuals. Incorporation of Zone 4 seismic considerations, minimum noise level reduction (NLR) of 25 decibels. Functional areas include a 298 bed acute care (in-patient) hospital, 75 bed aeromedical staging facility, 52 dental treatment room dental clinic, in and out-patient clinics, ancillary services, medical supply, administrative and facility support and utility/mechanical space. Air conditioning - 2,400 Tons.

11. REQUIREMENT: 821,300 SF ADEQUATE: 14,800 SF SUBSTANDARD: 317,600 SF

PROJECT: Provides the final phase of a four-phase replacement composite medical facility to contain all medical and dental functions necessary to serve the base and beneficiary population.

REQUIREMENT: The David Grant Medical Center (DGMC) provides medical and dental support to the Travis AFB population, the largest Air Force base in the western United States. In its regional role, this medical facility supports 20 other Air Force medical facilities in eight western states. As one of four major medical teaching hospitals in the Air Force, DGMC trains over 100 medical and dental interns and residents per year. This medical center also serves as the aeromedical evacuation staging port to and from the Pacific Theatre.

CURRENT SITUATION: This 36-year-old medical center is quickly approaching both physical as well as functional failure. Because of its age and

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE COMPOSITE MEDICAL FACILITY (PHASE IV)		5. PROJECT NUMBER XDAT870008L

intense use, this hospital is plagued with many critical facility problems in its mechanical, electrical, and air handling and building systems. It is significantly below modern standards and planning practices in health facility design and construction. A historical review of the DGMC shows that, since 1952, a continued growth in missions has occurred without a substantial growth in facilities. The existing medical complex is composed of 18 individual facilities separated by distances of up to one mile. The buildings vary in construction type from reinforced concrete and brick to wood frame structures, plus three trailers. Several functions, including outpatient clinic, a portion of the aeromedical staging facility holding ward, aerospace medicine, and the dental annex occupy buildings originally constructed for nonmedical functions. These buildings range in age from 36 to 38 years and are professionally obsolete and functionally inadequate to meet medical demands of the surrounding area (approximate 50-mile radius) served. They provide less than 45% of the required space.

IMPACT IF NOT PROVIDED: Failure to replace these buildings will result in further deterioration of facilities and ultimately result in degradation of the medical mission.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE COMPOSITE MEDICAL FACILITY (PHASE IV)		5. PROJECT NUMBER XDAT870008L

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	
(b) Percent Complete as of January 1986	82 NOV 15
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	100
	.85 FEB 14
(2) Basis	
(a) Standard or Definitive Design -	Yes No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	
(a) Production of Plans and Specifications	($000)
(b) All Other Design Costs	5250
(c) Total	1589
(d) Contract	6839
(e) In-house	6491
	348
(4) Construction start	

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Med/Non-Med Invest Equip	3080	85-87	10,215
Med/Non-Med Expense	3600	85-87	14,300

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 1.38

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,094	3,078	1,512	0	0	0	0	0	0	5,684
b. END FY 19 91	1,045	3,087	1,625	0	0	0	0	0	0	5,757

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (98,882)	
b. INVENTORY TOTAL AS OF 30 Sept 85	810,630
c. AUTHORIZATION NOT YET IN INVENTORY	18,010
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	16,610
g. REMAINING DEFICIENCY	77,050
h. GRAND TOTAL	927,000

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510-001	Add to and Alter Composite Medical Facility	13,600 SF	(1900)**	Mar 85	May 86
811-145	Add to and Alter Oak Mountain Power Upgrade	1,000 KW	2,700	Jun 85	Feb 86

** Not included in AF Totals

9. **Future Projects:** (a) Included in Following Program (FY 88):

149-962	Aircraft Control Tower	1 EA	2,200

(b) Typical Planned Next Three Years:

130-142	Fire Station	3,160 SF	740
217-721	Communications Facility	12,000 SF	1,600
610-284	Consolidated Headquarters Facility	42,600 SF	5,000
851-147	Alter Road	2,200 LF	700

10. **Mission or Major Functions:** Active mission support activities include a strategic aerospace division Headquarters responsible for training of all Strategic Air Command missile combat crew members; an Air Force Systems Command Space and Missile Test Center (SAMTEC) Activity which manages research and development testing of space, missile and aircraft systems; and aerospace test wing responsible, under SAMTEC, for directing the activities of an aerospace test group at Vandenberg; a space test group, a SAMTEC unit, which manages and directs all field test and launch activities necessary to place satellites into specified orbits; a missile test group, a SAMTEC unit, responsible for research, development and testing of ballistic missile systems, and the west coast launch site for operation of the Space Transportation System.

11. **Outstanding pollution and safety (OSH) deficiencies:**

a. Air pollution:	2,550
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE ADD TO AND ALTER COMPOSITE MEDICAL FACILITY

5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 510-001	7 PROJECT NUMBER XUMU874002	8 PROJECT COST ($000) 1,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER COMPOSITE MEDICAL FACILITY	SF	13,600		1,452
AEROSPACE MEDICINE CLINIC	SF	(11,600)	120	(1,392)
ALTER COMPOSITE MEDICAL FACILITY	SF	(2,000)	30	(60)
SUPPORTING FACILITIES				280
SITE IMPROVEMENT	LS			(70)
UTILITIES	LS			(100)
PAVEMENTS	LS			(55)
COMMUNICATION SUPPORT	LS			(55)
SUBTOTAL				1,732
CONTINGENCY (5%)				87
TOTAL CONTRACT COST				1,819
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				100
TOTAL REQUEST				1,919
TOTAL REQUEST (ROUNDED)				1,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(225)

10 DESCRIPTION OF PROPOSED CONSTRUCTION The aerospace medicine clinic addition provides a free standing, single story structure with concrete foundation and floor slab, masonry walls, and sloped roof. Alteration of 2,000 SF on the first floor of the existing composite medical facility to accommodate relocation of the mental health clinic. Includes all utilities, communications as required, and other support items to provide complete and usable facilities. Functional areas include aerospace medicine with flight medicine, bioenvironmental engineering and environmental health; and mental health, with necessary treatment, testing, patient waiting, storage and administrative support area. Air conditioning: 22 tons.

11. REQUIREMENT: 131,360 SF ADEQUATE: 117,760 SF SUBSTANDARD: 2,000 SF

PROJECT: Construct a replacement aerospace medicine clinic facility to consolidate present dispersed functions and alter the composite medical facility to more efficiently accommodate the mental health clinic.

REQUIREMENT: Aerospace medicine and mental health clinics of adequate size and configuration with proper environmental controls are required to support the aeromedical mission and to meet the outpatient mental health needs of the authorized beneficiary population of this base hospital. Vandenberg is the home of the First Strategic Aerospace Division, the largest missle unit in the Air Force, and is being developed for launch and recovery operations for the NASA Space Transportation System (space shuttle). With the new space shuttle mission, aerospace medicine responsibilities will significantly increase. This project will consolidate the entire aerospace medicine clinic, currently scattered in various locations, into one building, and alter some of the vacated space

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO AND ALTER COMPOSITE MEDICAL FACILITY		5. PROJECT NUMBER XUMU874002

for the mental health clinic. No change in beds or other inpatient/outpatient services will occur due to this project.
CURRENT SITUATION: The functional areas of aerospace medicine services are widely scattered at present. The flight medicine section is located on the second floor of the hospital, and environmental health, which is shared with the Army Veterinary Service, is located in a World War II building approximately two miles from the hospital. Bio-environmental engineering is located on the hospital's first floor, with a portion of their equipment stored in another WW II building approximately half a mile away. Inadequate and dysfunctional space for authorized base medical support activities, especially bioenvironmental engineering, has forced the use of these completely inadequate wooden WW II vintage buildings, which are unsuitable due to age and deterioration, have fire and life safety code deficiencies, and are inherently energy wasteful. Storage and work space for bioenvironmental engineering personnel for testing, analyzing, and storing samples is inadequate for current operations. The problems will be aggravated when the space shuttle program becomes operational. The shuttle and Peacekeeper programs will increase workload in the environmental health section with increased mission requirements for monitoring occupational health programs associated with toxic chemcials. The mental health clinic, located adjacent to flight medicine, has near-total absence of privacy for the patients and health providers. With the reception desk area shared with the flight medicine and physical exams sections, sensitive patient-staff communications are compromised with respect to such items as alcoholism, child abuse, and sexuality.
IMPACT IF NOT PROVIDED: Inefficient operations and poor working conditions will continue and soon result in less than adequate medical support for the space shuttle mission. An appropriate environment for mental health care will not be available.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO AND ALTER COMPOSITE MEDICAL FACILITY		5. PROJECT NUMBER XUMU874002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAR 22
(b) Percent Complete as of January 1986	65
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAY 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	114
(b) All Other Design Costs	192
(c) Total	306
(d) Contract	242
(e) In-house	64

(4) Construction start 86 JUL

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Medical Equipment	3080	87	225

1. COMPONENT		2. DATE
NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL MEDICAL CLINIC, PEARL HARBOR, HAWAII	NAVAL MEDICAL COMMAND	1.27

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	12	33	55	0	0	0	1187	5410	15485	22182
b. END FY 19 91	18	59	92	0	0	0	1355	6174	15485	23183

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NSY
b. INVENTORY TOTAL AS OF 30 SEP 1985	5,060
c. AUTHORIZATION NOT YET IN INVENTORY	8,490
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	23,250

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
550.10	Occupational Health Clinic	64,260 SF	9,700	6-85	9-86
	TOTAL		9,700		

9. **Future Projects:**

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. **Mission or Major Functions:** Provide preventive medicine, industrial hygiene, radiation health and other occupational health services and mental health services for Navy civilian, active duty Navy, and other authorized personnel working in the Pearl Harbor industrial complex.

11. **Outstanding pollution and safety deficiencies:**

	($000)
a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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PAGE NO.

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL MEDICAL CLINIC, PEARL HARBOR, HAWAII	4. PROJECT TITLE OCCUPATIONAL HEALTH CLINIC

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
8 77 96 N	550.10	P-003	9,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OCCUPATIONAL HEALTH CLINIC	SF	64,260	-	7,680
HEALTH CLINIC	SF	53,200	118.00	(6,300)
AMBULANCE SHELTER AND DECONTAMINATION FAC.	SF	1,060	66.00	(70)
SPECIAL PURPOSE WAREHOUSE	SF	10,000	67.00	(670)
BUILDING RENOVATIONS	LS	-	-	(40)
BUILT-IN EQUIPMENT	LS	-	-	(500)
TECHNICAL OPERATING MANUALS	LS	-	-	(100)
SUPPORTING FACILITIES	-	-	-	1,090
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
UTILITIES, PAVING & SITE IMPR, DEMOLITION	LS	-	-	(890)
SUBTOTAL	-	-	-	8,770
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,210
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	510
TOTAL REQUEST	-	-	-	9,720
TOTAL REQUEST (ROUNDED)	-	-	-	9,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame building, concrete foundation and floors, masonry and concrete walls, metal roof, fire protection system, air conditioning, utilities; building renovations; ambulance garage shelter and storage facilities; demolition of two buildings.

11. REQUIREMENT: 64,260 SF. ADEQUATE: 0 SF. SUBSTANDARD: 24,330 SF.

PROJECT: Provides an occupational health and military sick call clinic, with other support functions, within the shipyard.

REQUIREMENT: Adequate health care facilities for occupational health, military sick call, and industrial hygiene for active duty personnel and industrial civilian employees. This facility will also house the regional fiscal and supply function in support of other branch clinics. Increased workload will occur because of OSH protection standards for asbestos surveillance which increases annual pulmonary examinations from 300 in the 1970's to an estimated 35,000 in the 1980's. Other medical surveillance programs include noise (hearing loss), welding hazards, hydrocarbons and abrasive dust.

CURRENT SITUATION: Health care is being provided to the active duty and civilian industrial employees in buildings which do not meet current fire protection, mechanical, electrical, and heating criteria. These buildings are over 40 years-old and have many life safety code violations.

(Continued on DD 1391c)

1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
NAVAL MEDICAL CLINIC, PEARL HARBOR, HAWAII

4. PROJECT TITLE
OCCUPATIONAL HEALTH CLINIC

5. PROJECT NUMBER
P-003

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
Mental health clinic functions and regional fiscal and supply functions are housed in temporary buildings scheduled for demolition.

IMPACT IF NOT PROVIDED: Provision of health care will continue to be fragmented in multiple buildings which are overcrowded, inadequate, and inefficient to maintain. The productivity of personnel will be diminished. Costs associated with continuing to maintain the existing facilities will continue to escalate.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 6-85
(b) Percent Complete as of January 1986.......... 35
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 9-86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(440)
(b) All Other Design Costs.........................(310)
(c) Total... 750
(d) Contract......................................(670)
(e) In-house......................................(80)

(4) Construction start.......................... 1-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO	4 COMMAND TACTICAL AIR COMMAND	5 AREA CONSTR COST INDEX 1.20

6 PERSONNEL STRENGTH	[illegible]			STUDENTS			SUPPORTED			TOTAL
a. AS OF . 30 Sept 85	448	3,444	463	0	0	0	0	0	3	4,358
b. END FY 19 91	448	3,379	486	0	0	0	0	0	3	4,316

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE	(9,106)	
b. INVENTORY TOTAL AS OF	30 Sept 85	121,666
c. AUTHORIZATION NOT YET IN INVENTORY		14,600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		14,760
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,300
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,440
g. REMAINING DEFICIENCY		7,600
h. GRAND TOTAL		179,366

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510-001	Composite Medical Facility	156,300 SF	(30500)**	Oct 82	Jun 86
211-193	Sound Suppressor	1 EA	700	Feb 85	Feb 86
214-425	Addition to and Alter Vehicle Maintenance Shop	4,000 SF	520	Jan 84	Oct 84
217-762	Navaids/Communications Shop	4,500 SF	840	Apr 85	Apr 86
610-200	Combat Support Center	91,000 SF	8,700	Mar 83	Sep 85
721-312	Unaccompanied Enlisted Personnel Housing (OTH-B)	208 PN	4,000	Aug 84	Jan 86
	Total		14,760		

** Not included in AF Totals

9. Future Projects: (a) Included in Following Program (FY 88):

217-812	Electronic Warfare Maintenance/Administration	6,300 SF	1,250

(b) Typical Planned Next Three Years:

442-769	Housing Supply	9,600 SF	885
610-249	Conversion to Wing Headquarters	50,101 SF	1,500
721-312	Unaccompanied Enlisted Personnel Housing (OTH-B)	288 PN	3,200
820-232	Fire Protection System	LS	2,000

10. Mission or Major Functions: This base hosts a tactical fighter wing of F-111 and EF-111 aircraft and an aerospace rescue and recovery squadron detachment of UH-1 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1983 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO	4 PROJECT TITLE COMPOSITE MEDICAL FACILITY

5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 510-001	7 PROJECT NUMBER QYZH853001	8 PROJECT COST ($000) 30,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPOSITE MEDICAL FACILITY	SF	156,300	150	23,445
SUPPORTING FACILITIES				3,100
SITE IMPROVEMENT	LS			(450)
UTILITIES	LS			(900)
DEMOLITION	LS			(200)
PAVEMENTS	LS			(700)
COMMUNICATIONS SUPPORT	LS			(850)
SUBTOTAL				26,545
CONTINGENCY (5%)				1,327
TOTAL CONTRACT COST				27,872
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				1,533
MEDICAL EQUIPMENT (CATEGORIES E AND F)				1,100
TOTAL REQUEST				30,505
TOTAL REQUEST (ROUNDED)				30,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(3,650)

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, multi-story structural steel frame, masonry walls, built-up roofing and all necessary support. Includes all communication system requirements and facility systems operating manuals. Includes inpatient, outpatient and ancillary treatment areas, administrative and support areas. Air conditioning: 440 tons.

11. REQUIREMENT: 156,300 SF ADEQUATE: 0 SUBSTANDARD 55,300 SF

PROJECT: Construct a composite medical facility.

REQUIREMENT: A composite medical facility of sufficient size and efficient functional configuration is required to meet the total health needs of the military community served. A replacement facility is needed to permit effective use of medical and dental personnel and resources in delivering health care. Scope and size are supported by a contracted economic analysis and a comprehensive value engineering study.

CURRENT SITUATION: The present structure is inadequate in terms of space, life safety code requirements, mechanical systems, and functional design. Crowded conditions in virtually every patient treatment area, pharmacy, clinical laboratory, and radiology create significant and serious problems in quality assurance and risk management. Accessibility to care is severely restricted by the absence of adequate office/exam rooms and treatment areas. Life safety code problems extend throughout the facility and are too numerous and expensive to resolve through modification of the present facilty. The mechanical systems are outdated and overtaxed under current loads. The addition of new services and increased utilization of existing services has resulted in the need to

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE COMPOSITE MEDICAL FACILITY		5. PROJECT NUMBER QYZH853001

use areas for functions other than originally designed. This has resulted in inefficent use of personnel and space. Patient flow is inefficient and restricted by these changes.

IMPACT IF NOT PROVIDED: Quality of, and accessibility to health care will continue to be compromised. Patients and staff will continue to be placed at risk by many life safety code violations. Use of the existing facility will force continued costly repair and maintenance.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE COMPOSITE MEDICAL FACILITY		5. PROJECT NUMBER QYZH853001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	82 OCT 25
(b) Percent Complete as of January 1986	65
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 06
(2) Basis	
(a) Standard or Definitive Design -	Yes X No
(b) Where Design Was Most Recently Used -	85
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	3016
(b) All Other Design Costs	280
(c) Total	3296
(d) Contract	2350
(e) In-house	946
(4) Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Medical and Dental Equipment	3080	87	3,650

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86
3. INSTALLATION AND LOCATION Fort Polk Louisiana	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX .94

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1307	13274	3631	0	0	0	9	46	2271	19,538
B. END FY 91	1530	13170	3549	108	0	0	33	0	1862	19,047

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 190,375 AC

B. INVENTORY TOTAL AS OF 30 SEP 85	533,140
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	27,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	23,131
F. PLANNED IN NEXT THREE YEARS	64,793
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	648,064

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179	259	MULTI PURPOSE RANGE	27,000	09/85	11/86
		SUBTOTAL PROJECTS OVER $1M	27,000		
		TOTAL	27,000		

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
141	BN HQ & CLASSROOM 2BSD	2,350
179	MOUT RANGE	6,707
442	DEPLOYMENT STORAGE BLDG (6	1,405
179	MULTIPURPOSE RANGE UPGRADE	11,400
	SUBTOTAL PROJECTS OVER $1M	21,862
422	ARMS VAULTS	438
214	CENTRAL WASH FACILITY MOD	831
	SUBTOTAL PROJECTS $1M & LESS	1,269
	TOTAL	23,131

10. MISSION OR MAJOR FUNCTIONS:

The primary mission is to support a Combat Mechanized Infantry Division under the purview of US Army Forces Command. Training and development of tactical forces for active and reserve components as well as for National Guard are included.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

DD FORM 1 DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION: Fort Polk Louisiana

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

	($000)
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 JAN 86

3. INSTALLATION AND LOCATION Fort Polk. Louisiana	4. PROJECT TITLE Troop Medical Clinic

5. PROGRAM ELEMENT 87711A	6. CATEGORY CODE 550	7. PROJECT NUMBER 257	8. PROJECT COST ($000) Auth 2,650 Approp 2,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1.808
Troop Medical Clinic	SF	17.266	104.72	(1.808)
Supporting Facilities				465
Electric Service	LS	-	-	(50)
Water. Sewer & Gas	LS	-	-	(12)
Paving. Walks. Curbs & Gutters	LS	-	-	(147)
Storm Drainage	LS	-	-	(33)
Site Improvement (152) Demolition (23)	LS	-	-	(175)
Communication	LS	-	-	(48)
Subtotal				2,273
Contingency (5.00%)				114
Total Contract Cost				2,387
Supervision. Inspection & Overhead (5.50%)				131
Category 'E' Equipment				156
Total Request				2.674
Total Request (Rounded)				2.650
Installed Equipment - Other Appropriations				(308)

10. Description of Proposed Construction Construct a consolidated troop medical clinic (TMC) including all utilities. communications. site improvements. parking. curb and gutters. bus stop. sidewalks. access drives. as well as fire protection and prevention systems. Heating will be provided by self-contained energy plant with dual fuel boiler capability; primary fuel is gas. backup is fuel oil with 30 day underground storage. Air-conditioning will be provided by a central chiller. This project will require the demolition of 3500 SY of concrete pavements and four buildings (12.934 SF). Accessibility for the handicapped will be provided. Provide an operational concept manual. Air conditioning: 40 tons.

11. REQUIREMENT: 17.265 SF ADEQUATE: None SUBSTANDARD: 20,195 SF

PROJECT: Construct a consolidated troop medical clinic.

REQUIREMENT: This project is required to provide adequate medical facilities for active duty military personnel.

CURRENT SITUATION: The building currently used as the troop medical clinic has waiting room for only 30 people. The daily sick call ranges from 60-200 patients. with the majority seen in the morning between 0700-1000. The reception/records area is restricted and often crowded. Lines of patients at the pharmacy window extend into the waiting room. creating more congestion.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86
3.INSTALLATION AND LOCATION Fort Polk, Louisiana		
4.PROJECT TITLE Troop Medical Clinic		5.PROJECT NUMBER 257

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
The two combination office and exam rooms and the limited availability of other rooms limits initial screening of patients, resulting in an average patient treatment time of 27 minutes. The lone treatment room allows for only makeshift provisions for patient privacy and generates overcrowding, cross contamination of patients, and long waits to have dressings changed or sutures removed. The pharmacy, laboratory and X-ray facilities on site are all inadequate, making it necessary for patients to travel to the hospital, two miles distant, to obtain prescriptions and all X-rays. The time spent obtaining transportation, traveling and waiting at the hospital amounts to more than 100 manhours each day. The necessity of transporting laboratory specimens to the hospital for processing delays definitive care a minimum of three hours or more in non-urgent cases and usually requires the patient to return the next day for follow-up. A TMC with adequate support functions would allow for greater depth and flexibility when staffing these areas with scarce specialty MOSs and reduce the patient time lost to obtain these services elsewhere.
IMPACT IF NOT PROVIDED: If this project is not provided the prolonged sick call processing time will continue to reduce the military units' ability to effectively utilize their assigned personnel.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....OCT 84
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 95
(d) Date Design Complete ....OCT 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 137
(b) All Other Design Costs 173
(c) Total Cost 310
(d) Contract 246
(e) In-house 64

(4) Construction Start .... DEC 86
month & year

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1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86
3.INSTALLATION AND LOCATION Fort Polk, Louisiana		
4.PROJECT TITLE Troop Medical Clinic		5.PROJECT NUMBER 257

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND	MILITARY AIRLIFT COMMAND	5. AREA CONSTR COST INDEX 1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1537	4,093	2554	0	0	0	473	1,005	52	9,714
b. END FY 19 91	1549	4,185	2643	0	0	0	473	1,005	52	9,907

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (7,499)	
b. INVENTORY TOTAL AS OF 30 Sept 85	
c. AUTHORIZATION NOT YET IN INVENTORY	253,167
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	21,606
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	45,430
f. PLANNED IN NEXT THREE PROGRAM YEARS	11,629
g. REMAINING DEFICIENCY	9,000
h. GRAND TOTAL	243,304
	539,136

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
510-411	Alter Medical Center Clinic Annex	37,600 SF	(2000)**	Sep 85	Sep 86
211-111	AF-1 Maintenance and Support Complex	194,000 SF	45,000	Apr 86	Mar 87
800-000	Energy Conservation Investment Program-Alter Lighting Systems	LS	430	Jun 84	Sep 85
	Total		45,430		

** Not included in AF Totals

9. Future Projects: (a) Included in Following Program (FY 88):

214-425	Automotive Support Facility	38,200 SF	4,100
610-000	Office of Scientific Research	60,000 SF	4,209
730-772	Religious Education Facility	18,100 SF	2,000
800-000	EMCS	LS	1,320
	Total		11,629

(b) Typical Planned Next Three Years:

141-782	Air Freight Terminal	38,600 SF	2,500

10. Mission or Major Functions: The base mission is support of Headquarters Air Force Systems Command, a Military Airlift Wing which performs special air missions and operational support airlift, a Reserve Tactical Airlift Wing, an Air National Guard Tactical Fighter Wing, District of Columbia Air National Guard Headquarters, and Malcolm Grow Medical Center.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 30
c. Occupational safety and health: 0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		4. PROJECT TITLE ALTER MEDICAL CENTER CLINIC ANNEX	
5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 510-411	7 PROJECT NUMBER AJXF830852	8 PROJECT COST ($000) 2,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER MEDICAL CENTER CLINIC ANNEX	SF	37,600	40	1,504
SUPPORTING FACILITIES				190
UTILITIES	LS			(60)
SITE IMPROVEMENT	LS			(30)
PAVEMENTS	LS			(100)
SUBTOTAL				1,694
CONTINGENCY (10%)				169
TOTAL CONTRACT COST				1,863
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%)				102
TOTAL REQUEST				1,965
TOTAL REQUEST (ROUNDED)				2,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(240)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Work includes building modifications to provide a safe and functional medical treatment facility including necessary demolition, new finishes, plumbing, mechanical, and electrical upgrade, fire/life safety code compliance, doors, replacement of built-up roof, parking lot, connecting sidewalks and necessary support.

Air Conditioning: 80 Tons.

11. REQUIREMENT: 150,000 SF ADEQUATE: 57,390 SF SUBSTANDARD: 37,600 SF

PROJECT: Alter building for use as a medical annex.

REQUIREMENT: The Malcolm Grow USAF Medical Center has an urgent requirement for additional outpatient clinic space to properly support the health care needs of eligible beneficiaries. Space is needed to relocate and consolidate the Family Practice Clinic, and Aeromedical Services.

CURRENT SITUATION: The present overcrowded conditions at the Medical Center limit the productive use of valuable manpower and inhibit the quality of medical care. The shortage of space results in constrained health care provider productivity, compromises patient confidentality, increases delays in obtaining appointments, and contributes to patient frustration and dissatisfaction. Provider productivity is limited because they must work from combination office/exam rooms. The upgrade of this building of opportunity to appropriate medical standards will allow productive utilization of existing space and will reduce the clinic space shortfall. This former school building has been obtained by the AF from the Department of Education and must be altered to adequately accommodate medical functional requirements. The balance of the requirement will be satisfied in a future MCP.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		
4 PROJECT TITLE ALTER MEDICAL CENTER CLINIC ANNEX		5. PROJECT NUMBER AJXP830852

IMPACT IF NOT PROVIDED: Without modification to this building the Air Force will not be able to take advantage of this building of opportunity. Denial of this project would forestall improvements in beneficiary access to health care and quality care initiatives.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE ALTER MEDICAL CENTER CLINIC ANNEX		5. PROJECT NUMBER AJXF870001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 SEP 22
	(b) Percent Complete as of January 1986	50
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 24
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	212
	(b) All Other Design Costs	0
	(c) Total	212
	(d) Contract	200
	(e) In-house	12
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Medical Equipment	3080	87	240

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF. PAGE NO

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI	4. COMMAND AIR TRAINING COMMAND	5. AREA CONSTR COST INDEX 0.84

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,005	4,921	2,439	679	5453	61	32	25	99	14,714
b. END FY 1991	1,068	5,056	2,448	977	6320	59	27	27	134	16,124

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,546)
b. INVENTORY TOTAL AS OF 30 Sept 85
c. AUTHORIZATION NOT YET IN INVENTORY 238,249
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 10,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 5,170
f. PLANNED IN NEXT THREE PROGRAM YEARS 13,900
g. REMAINING DEFICIENCY 69,300
h. GRAND TOTAL 9,900
347,019

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510-001	Add to and Alter Radiology Linear Accelerator	4,900 SF	(3100)**	Mar 85	Jun 86
800-000	Energy Conservation Investment Program	LS	1,970	May 84	Jul 85
851-147	Defense Access Road	LS	3,200	N/A	
		Total	5,170		

** Not included in AF Totals

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Alter Unaccompanied Enlisted Personnel Housing	1,000 PN	13,900

(b) Typical Planned Next Three Years:

171-000	COMSEC Training Facility	100,000 SF	13,850
610-243	Mission Support Complex	46,200 SF	4,950
721-312	Alter Unaccompanied Enlisted Personnel Housing	974 PN	16,500
740-674	Gymnasium	28,500 SF	4,700

10. Mission or Major Functions: A Technical Training Center for electronics, communications, personnel, administration and air traffic control courses. Active mission support activities include active (MAC) and reserve (AFR) weather reconnaissance units, an Airborne Command and Control unit (TAC), an Engineering Installation Group (AFCS) and a USAF Medical Center.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	1,375
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI	4 PROJECT TITLE ADD TO AND ALTER RADIOLOGY LINEAR ACCELERATOR

5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 510-001	7 PROJECT NUMBER MAHG860903	8 PROJECT COST ($000) 3,100

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER RADIOLOGY				
LINEAR ACCELERATOR	SF	4,900		1,428
ADDITION	SF	(4,200)	315	(1,323)
ALTERATION	SF	(700)	150	(105)
SUPPORTING FACILITIES				90
SITE IMPROVEMENTS	LS			(15)
UTILITIES	LS			(20)
PAVEMENTS	LS			(20)
COMMUNICATIONS SUPPORT	LS			(35)
SUBTOTAL				1,578
CONTINGENCY (5.0%)				76
TOTAL CONTRACT COST				1,594
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				88
MEDICAL EQUIPMENT (CATEGORIES E AND F)				1,400
TOTAL REQUEST				3,082
TOTAL REQUEST (ROUNDED)				3,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(970)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Single story addition to match existing building, with reinforced concrete foundation and floor slab, walls and roof deck to include appropriate radiation shielding. Alteration of a portion of existing radiology department to accept a future second linear accelerator and for access to new addition and offices. Functional areas include two accelerator rooms, control areas, offices, exam rooms and necessary support space. Air Conditioning: 20 Tons.

11. REQUIREMENT: 22,830 SF ADEQUATE: 17,930 SF SUBSTANDARD: 700 SF

PROJECT: Construct a cancer treatment linear accelerator addition and alter the radiology department in the composite medical facility.

REQUIREMENT: A facility is required to house modern radiation therapy treatment equipment. High energy photons or electrons either with or in lieu of cobalt 60 are now the preferred modality for cancer treatment. Accelerator treatments have reduced complications and increased survival in several types of cancer. Cobalt 60 alone is no longer adequate for use in a cancer treatment center. Current physician residency programs no longer rely only on cobalt 60 to treat cancer. The Defense Health Council (DHC), which serves as the DOD approval authority, has approved a linear accelerator for this location.

CURRENT SITUATION: Patients are currently being treated with cobalt 60 or orthovoltage x-rays. At least 75 percent of our patients could benefit by treatment with an accelerator. USAF Medical Center Keesler provides DOD medical support of the entire Southeastern US and has treated patients from all three military services, the Coast Guard and the Veterns Administration. Medical professionals are unable to use modern medical methods due to accelerator nonavailability.

1. COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE ADD TO AND ALTER RADIOLOGY LINEAR ACCELERATOR		5. PROJECT NUMBER MABG860903

IMPACT IF NOT PROVIDED: Patients cannot receive modern radiation treatment and in many cases therefore, there will be a higher risk for complications or lower chances for cure. Standard radiation treatment currently used in the civilian sector will not be available to eligible personnel. Lack of modern equipment will also adversely affect training, experience and retention of radiation therapists.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE ADD TO AND ALTER RADIOLOGY LINEAR ACCELERATOR		5. PROJECT NUMBER NAHG860903

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAR 20
(b) Percent Complete as of January 1986	65
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 05

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	229
(b) All Other Design Costs	0
(c) Total	229
(d) Contract	207
(e) In-house	22

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Linear Accelerator	3080	87	970

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF. PAGE NO

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM		2 DATE
3 INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		4 COMMAND MILITARY AIRLIFT COMMAND	5 AREA CONSTR COST INDEX 1.08

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	639	4,040	1,490	0	95	0	103	263	157	6,787
b. END FY 19 91	634	4,070	1,476	0	95	0	103	263	157	6,798

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,600)	
b. INVENTORY TOTAL AS OF 30 Sept 85	
c. AUTHORIZATION NOT YET IN INVENTORY	177,665
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	23,670
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	13,590
f. PLANNED IN NEXT THREE PROGRAM YEARS	14,140
g. REMAINING DEFICIENCY	16,674
h. GRAND TOTAL	71,720
8 PROJECTS REQUESTED IN THIS PROGRAM	317,459

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
540-243	Dental Clinic				
131-132	SATCOM Ground Terminal	17,400 SF	(3800)**	Sep 84	Oct 86
219-000	ADAL Base Civil Engineer Complex	3,800 SF	895	May 85	Mar 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	71,500 SF	5,700	May 84	Mar 86
		448 PN	7,000	May 85	Oct 86
	Total		13,595		

** Not included in AF Totals

9. Future Projects: (a) Included in Following Program (FY 88):

130-835	Security Police Complex		
141-461	Alter Command Post/HQ	15,700 SF	2,700
721-312	Alter Unaccompanied Enlisted Personnel Housing	5,500 SF	500
740-674	ADAL Gymnasium	540 PN	8,000
740-884	ADAL Child Care Center	LS	1,700
800-000	Energy Conservation Investment Program	15,750 SF	940
		LS	300
	Total		14,140
	(b)Typical Planned Next Three Years		
141-753	Squadron Operations Facility	24,628 SF	2,626

10. Mission or Major Functions: A numbered Air Force headquarters, support of two Military Airlift Wings, (one active and one reserve associate), an Air National Guard Tactical Fighter Wing and an Air National Guard Heavy Refueling Squadron.

11. Outstanding pollution and safety (OSH) deficiencies: --

a. Air pollution:

b. Water pollution: 0

c. Occupational safety and health: 6,000

0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		4 PROJECT TITLE DENTAL CLINIC	
5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 540-243	7 PROJECT NUMBER PTFL850003	8 PROJECT COST ($000) 3,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DENTAL CLINIC	SF	17,400	135	2,349
SUPPORTING FACILITIES				830
SITE IMPROVEMENT	LS			(205)
UTILITIES	LS			(315)
PAVEMENTS	LS			(180)
COMMUNICATION SUPPORT	LS			(130)
SUBTOTAL				3,179
CONTINGENCY (5%)				159
TOTAL CONTRACT COST				3,338
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				184
MEDICAL EQUIPMENT (CATAGORIES E AND F)				290
TOTAL REQUEST				3,812
TOTAL REQUEST (ROUNDED)				3,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(450)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, single story, masonry construction, built-up roof, and all necessary utilities and support. Includes all communication system requirements and facility systems operating manuals. Dental clinic functional areas include dental treatment rooms, ancillary, administrative, and support areas and utility/mechanical rooms.
Air Conditioning: 70 Tons.

11. REQUIREMENT: 17,400 SF ADEQUATE: 0 SUBSTANDARD: 7,830 SF

PROJECT: Construct a dental clinic with 29 dental treatment rooms (DTRs).

REQUIREMENT: This project will provide a replacement facility to support comprehensive dental services to over 20,000 eligible beneficiaries. A new facility will enable optimal use of dental personnel and resources.

CURRENT SITUATION: The Dental Clinic occupies a wood frame building constructed in 1955. Currently containing 28 dental treatment rooms (DTRs) and associated support elements, the existing facility is inadequate in space and condition. Due to its age, the facility has experienced serious deterioration to the subflooring, mechanical and electrical systems, thereby creating safety hazards and significant maintenance expense. Inadequate and deteriorated insulation and heating/cooling systems create temperature variances which affect dental materials and cause excessive reaccomplishment of dental procedures. This results in additional costs and inefficient use of patient and provider time. Heating convection units and cooling fan coils are mounted in and around cabinetry within the DTRs and take up needed

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE DENTAL CLINIC		5. PROJECT NUMBER PTFL850003

space. The DTRs are too small and inhibit efficient high quality four handed dentistry. The existing dental radiology room has insufficient circulation, exposed lead shielding, make-shift plumbing, and a low ceiling. The low ceiling height prevents the radiology unit from rotating around the patient properly, thereby impacting diagnostic capability. Poor ventilation in the prosthetic lab and other areas has accelerated deterioration of metal laboratory cabinets and equipment. The existing substandard facility will be demolished as a result of this project.

IMPACT IF NOT PROVIDED: The quality of dental care will continue to be degraded by operating in a poorly configured, medically substandard, and undersized facility.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE DENTAL CLINIC		5. PROJECT NUMBER PTFL850003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 84 SEP 12
(b) Percent Complete as of January 1986 45
(c) Percent Complete as of October 1986 100
(d) Date Design Complete 86 OCT 07

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications 1459
(b) All Other Design Costs 0
(c) Total 1459
(d) Contract 1177
(e) In-house 282

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Dental Equipment	3080	87	450

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO	4 COMMAND MILITARY AIRLIFT COMMAND	5 AREA CONSTR COST INDEX 1.03

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,442	3,092	2,673	98	188	41	259	1,177	1670	10640
b. END FY 1991	1,456	3,048	2,877	99	184	47	259	1,177	1670	10817

7 INVENTORY DATA ($000)	
a TOTAL ACREAGE (43,881)	
b INVENTORY TOTAL AS OF 30 Sept 85	241,030
c AUTHORIZATION NOT YET IN INVENTORY	70,070
d AUTHORIZATION REQUESTED IN THIS PROGRAM	11,800
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,450
f PLANNED IN NEXT THREE PROGRAM YEARS	46,654
g REMAINING DEFICIENCY	28,295
h GRAND TOTAL	413,299

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510-001	Add to and Alter Composite Medical Facility	208,400 SF	(23550)**	Dec 84	Nov 86
135-583	Communications Duct System	LS	1,800	Jul 85	Jul 86
211-152	Alter Maintenance Hangar	38,500 SF	1,300	Jul 85	Jul 86
310-931	Optics and Beam Control Laboratory	26,200 SF	8,700	Sep 85	Dec 86
	Total		11,800		

** Not included in AF Totals

9. Future Projects: (a) Included in Following Program (FY 88):

317-311	HP Beam/Microwave Laboratory	25,000 SF	7,400
540-243	Replace Dental Clinic	13,990 SF	2,600
721-312	Alter Unaccompanied Enlisted Personnel Housing	380 PN	5,450
	Total		15,450

(b) Typical Planned Next Three Years:

432-283	Base Cold Storage Facility	10,000 SF	1,750
842-245	ADAL Base Water System	LS	6,000

10. Mission or Major Functions: Support of an Air Force Weapons laboratory, the Air Force Contract Management Division, the Air Force Operational Test and Evaluation Center, Office of Chief of Security Police, Rescue Aircrew Training and Test Wing, NCO Academy, Operational Support Airlift Squadron, Defense Nuclear Agency Field Command, Naval Weapons Evaluation facility, Sandia Laboratories, Lovelace Biomedical and Environmental Research Institute, Department of Energy Albuquerque Operations Office, AF Directorate of Nuclear Surety, an Aircrew Training Wing, and an Air National Guard Tactical Fighter Group.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	400
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO	4 PROJECT TITLE ADD TO AND ALTER COMPOSITE MEDICAL FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
8.77.11	510-001	MHMV860103	25,550

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER COMPOSITE MEDICAL FACILITY	SF	208,400		17,544
ALTERATION	SF	(173,600)	75	(13,020)
ADDITION	SF	(34,800)	130	(4,524)
SUPPORTING FACILITIES				2,610
SITE IMPROVEMENT	LS			(160)
UTILITIES	LS			(390)
PAVEMENTS	LS			(370)
SEISMIC	LS			(1,220)
COMMUNICATIONS SUPPORT	LS			(470)
SUBTOTAL				20,154
CONTINGENCY (10.0%)				2,015
TOTAL CONTRACT COST				22,169
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%)				1,219
MEDICAL EQUIPMENT (CATAGORIES E & F)				2,160
TOTAL REQUEST				25,548
TOTAL REQUEST(ROUNDED)				25,550
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(3,100)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Addition of reinforced concrete foundation and floor slab, multi-story structural frame, walls, roof system and all necessary support. Alteration will upgrade existing hospital to necessary medical and life safety standards including asbestos removal and seismic upgrade. Project will include all work necessary to provide a functional and effective facility. Provides for temporary buildings to accommodate construction phasing. Includes all communication system requirements and facility systems operating manuals. Functional areas include inpatient, comprehensive outpatient clinics, emergency services, ancillary support, medical logistics, administrative and support areas. Air Conditioning: 360 Tons.

11. REQUIREMENT: 208,400 SF ADEQUATE: 0 SUBSTANDARD: 173,600 SF

PROJECT: Add to and alter composite medical facility.

REQUIREMENT: A facility of sufficient size and functional design is needed to support the necessary health care needs of the eligible beneficiary population at and around Kirtland AFB. The project will upgrade 50 inpatient beds. It will expand outpatient services and support areas, upgrade ancillary services, improve utility systems and correct remaining life safety deficiencies. Plans for the project are supported by an economic analysis which validated facility deficiencies and project sizing.

CURRENT SITUATION: Constructed in 1951, this facility has undergone considerable modification over the years primarily to convert inpatient services to satisfy increasing outpatient demands. The changes have created inefficiencies in staffing stemming from poor departmental

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE ADD TO AND ALTER COMPOSITE MEDICAL FACILITY		5. PROJECT NUMBER MHMV860103

relationships and lack of functional space. The current layout and shortage of space limits the productive use of valuable manpower and inhibits, in some cases, the quality of medical service. For example, the long distance from nursing stations to patient beds limits productive time spent with patients. Poor circulation patterns have outpatients and visitors traversing inpatient care areas and thereby risking cross-contamination. The lack of space necessitates storage of clean and soiled materials in a common area, which is a violation of medical accreditation standards. Numerous and serious fire safety deficiencies place patients and staff at risk. Mechanical systems, particularly the central heating and cooling equipment, are old and in poor condition. The original low voltage electrical service system is old, in poor condition and does not meet current National Electrical Code standards. There is no central medical gas system for surgery and air filtration in operating rooms is substandard. Centralized medical gas systems with oxygen, suction, and compressed air are not provided in patient rooms. The laboratory lacks proper environmental controls causing wide variation in room temperatures.

IMPACT IF NOT PROVIDED: The quality of medical care will continue to be degraded by operating in a poorly configured, undersized and medically substandard facility. Costly operations, excessive maintenance and poor working conditions will continue. Significant life safety and asbestos hazards will remain.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE ADD TO AND ALTER COMPOSITE MEDICAL FACILITY		5. PROJECT NUMBER MHMV860103

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 84 DEC 24
(b) Percent Complete as of January 1986 35
(c) Percent Complete as of October 1986 90
(d) Date Design Complete 86 NOV 19

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications 2416
(b) All Other Design Costs 0
(c) Total 2416
(d) Contract 1776
(e) In-house 640

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Medical Equipment	3080	87	3,100

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, CAMP LEJEUNE, NORTH CAROLINA	4. COMMAND NAVAL MEDICAL COMMAND	5. AREA CONSTR. COST INDEX 0.86

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	17	55	0	0	0	0	50	9789	0	9911
b. END FY 19 91	17	55	0	0	0	0	55	10670	0	10797

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
(166)
b. INVENTORY TOTAL AS OF 30 SEP 1985 57,440
c. AUTHORIZATION NOT YET IN INVENTORY 3,770
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0
f. PLANNED IN NEXT THREE PROGRAM YEARS 0
g. REMAINING DEFICIENCY 18,000
h. GRAND TOTAL 83,110

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
540.10	Medical & Dental Clinic	28,700 SF	3,900	8-85	2-87
	TOTAL		3,900		

9. **Future Projects:**

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. **Mission or Major Functions:** Provide general clinical and hospitalization services primarily for active duty Navy and Marine Corps personnel, and active duty members of other Federal Uniformed Services. Participate as an integral element of the Naval and Tri-Service Regional Health Care Systems.

11. **Outstanding pollution and safety deficiencies:** ($000)

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health (OSH): 0

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL HOSPITAL, CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE MEDICAL AND DENTAL CLINIC

5. PROGRAM ELEMENT 8 77 96 N	6. CATEGORY CODE 540.10	7. PROJECT NUMBER P-701	8. PROJECT COST ($000) 3,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MEDICAL AND DENTAL CLINIC	SF	28,700	-	2,920
MEDICAL CLINIC	SF	12,850	84.00	(1,080)
DENTAL CLINIC	SF	15,150	90.00	(1,370)
AMBULANCE GARAGE SHELTER.	SF	700	33.00	(20)
BUILT-IN EQUIPMENT	LS	-	-	(400)
TECHNICAL OPERATING MANUALS	LS	-	-	(50)
SUPPORTING FACILITIES	-	-	-	570
UTILITIES	LS	-	-	(370)
PAVING AND SITE IMPROVEMENT, DEMOLITION . .	LS	-	-	(200)
SUBTOTAL.	-	-	-	3,490
CONTINGENCY (5%).	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,670
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	200
TOTAL REQUEST	-	-	-	3,870
TOTAL REQUEST (ROUNDED)	-	-	-	3,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, intrusion detection system, fire protection system, air conditioning, utilities; demolition of one building.

11. REQUIREMENT: 28,700 SF. ADEQUATE: 0 SF. SUBSTANDARD: 3,870 SF.

PROJECT: Provides a consolidated medical and dental clinic with an ambulance garage.

REQUIREMENT: Complete medical and dental facility capable of meeting the health care needs of active duty personnel assigned to Second Division Force Troops stationed at the French Creek Complex. Adequate health care is vitally important at military installations for several reasons. It ensures that operators of sophisticated weapons systems such as aircraft, landing craft, tanks and guns are medically qualified. Health care is one of the most important benefits of military life and plays an important factor in improving retention rates. This project will serve only active duty personnel.

CURRENT SITUATION: There are approximately 10,000 active duty personnel assigned to the French Creek Complex on Camp Lejeune. These personnel are in garrison and deserve the same quality of care provided any other active duty beneficiary under similar circumstances. The existing makeshift tent and trailer complex provides an inefficient environment that is also unsanitary for delivery of medical or dental care. The existing medical

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, CAMP LEJEUNE, NORTH CAROLINA		
4. PROJECT TITLE MEDICAL AND DENTAL CLINIC		5. PROJECT NUMBER P-701

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
clinic is undersized and extremely short of examination and treatment spaces. Waiting room areas have been converted for these functions with curtains and partitions. This results in a very crowded and uncomfortable waiting room. There are no permanent dental facilities at French Creek. Dental services are provided in six temporary trailer units located behind the medical clinic. The units are totally inadequate for dental care for the large number of Marines assigned to French Creek. Utility systems are unreliable and proper temperature and humidity are difficult to maintain. The roofs of these trailers leak and a tarpaulin is being used as a temporary waterproofing measure. Water is piped into the dental facilities by a small water hose. Waste water is drained untreated into the ground.

IMPACT IF NOT PROVIDED: Force troops will continue to be treated in extremely inadequate, overcrowded, and unsuitable facilities. The result of this situation will have negative effects on readiness and retention rates.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started............................ 8-85
(b) Percent Complete as of January 1986........... 40
(c) Percent Complete as of October 1986........... 90
(d) Date Design Complete.......................... 2-87

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(215)
(b) All Other Design Costs........................(105)
(c) Total...(320)
(d) Contract......................................(295)
(e) In-house......................................(25)

(4) Construction start............................ 5-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION BROOKS AIR FORCE BASE, TEXAS	4 COMMAND AIR FORCE SYSTEMS COMMAND	5 AREA CONSTR COST INDEX 0.86

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
a. AS OF 30 Sept 85	481	1,012	1,015	97	165	0	135	66	0	2,971
b. END FY 19 91	514	988	1,135	238	213	0	135	66	0	3,289

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,310)	
b. INVENTORY TOTAL AS OF 30 Sept 85	68,610
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,100
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,600
g. REMAINING DEFICIENCY	20,000
h. GRAND TOTAL	104,310

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
530-156	Add to and Alter Drug Abuse Detection Laboratory ** Not included in AF Totals	11,250 SF	(1,850)**	Oct 84	Sep 86

9. **Future Projects:** (a) Included in Following Program (FY 88):

219-944	Base Engineer Complex	47,800 SF	3,650
310-921	Add to and Alter Data Sciences Laboratory	29,400 SF	3,400
724-417	Visiting Officer Quarters	100 PN	4,050
	Total		11,100

(b) Typical Planned Next Three Years:

141-656	Electronic Security Complex	16,700 SF	2,600
310-917	Alter Radiation Sciences Lab	27,890 SF	2,000
	Total		4,600

10. **Mission or Major Functions:** An Aerospace Medical Division which supervises research and development activities in the field of aerospace biotechnology for Air Force Systems Command; the Air Force Human Resource Laboratory conducts research on man's interface with aerospace operations; the USAF School of Aerospace Medicine is concerned with applied aspects of aeromedical research; the USAF Occupational and Environmental Health Laboratory conducts studies on the effects of working in the Air Force environment and its relationship to the Occupational, Safety, and Health Act standards; and a electronic security squadron.

11. **Outstanding pollution and safety (OSH) deficiencies:**

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION BROOKS AIR FORCE BASE, TEXAS	4 PROJECT TITLE ADD TO AND ALTER DRUG ABUSE DETECTION LABORATORY	

5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 530-156	7 PROJECT NUMBER CNBC860902	8 PROJECT COST ($000) 1,850

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER DRUG ABUSE DETECTION LABORATORY				
ADDITION	SF	11,250		1,342
ALTERATION	SF	(9,600)	130	(1,248)
SUPPORTING FACILITIES	SF	(1,650)	40	(94)
SITE IMPROVEMENT				320
UTILITIES	LS			125)
DEMOLITION	LS			130)
COMMUNICATIONS SUPPORT	LS			15)
SUBTOTAL	LS			50)
CONTINGENCY (5.0%)				1,662
TOTAL CONTRACT COST				83
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				1,745
TOTAL REQUEST				96
TOTAL REQUEST (ROUNDED)				1,841
				1,850

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, built-up roof on metal decking and open web steel roof joists, and all required utilities and support. Functional areas include laboratories, refrigerated specimen storage, computer room, administrative, and necessary support space. Air Conditioning: 30 Tons.

11. REQUIREMENT: 20,300 SF ADEQUATE: 9,050 SF SUBSTANDARD: 1,650 SF

PROJECT: Construct an addition to the existing drug detection laboratory and alter existing rooms to provide access to the new addition.

REQUIREMENT: Adequate space is necessary to meet the requirements of the DOD Drug Abuse Detection Program and HQ USAF supplementation of that program. Drug testing procedures require adequate laboratory and storage space to receive, test and retain the results of testing samples, as well as refrigerators, freezers, and rooms with secure entry.

CURRENT SITUATION: The existing space is inadequate to accommodate present drug testing workload and staffing. The current facility was designed in the mid-1960s as an Air Force specialty laboratory and converted to drug testing use in 1971. It was modified in the mid-1970s to house 40 personnel and manage 15,000 samples monthly. With the implementation of the Bi-Service (Air Force/Army) Drug Testing Program on 1 January 1983, the increased emphasis in the program, the rapid increase in technology, an auditable chain of custody requirements, and a commensurate increase in staffing requirements have resulted in fragmentation of workload and functional areas, and inefficient work flow within limited and inadquate space. High technology computerized equipment essential to the drug abuse detection program has resulted in gross overloading of environmental control systems and overcrowding of

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION BROOKS AIR FORCE BASE, TEXAS		
4 PROJECT TITLE ADD TO AND ALTER DRUG ABUSE DETECTION LABORATORY		5 PROJECT NUMBER CMBC860902

equipment and personnel. Assigned personnel have almost doubled, to 74, since the facilities modifications in the mid-1970s. The current work flow with widely separated work centers of insufficient size adds significantly to the inefficiency of the operation, which further complicates testing.

IMPACT IF NOT PROVIDED: Extremely vital and highly visible drug detection and prevention programs cannot be fully and properly supported. Severe overcrowding, with its impact on sample handling, will continue to threaten the 100% legal chain of custody of the samples and will adversely impact the quality control and the ability to accomplish monthly work load requirements.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BROOKS AIR FORCE BASE, TEXAS		
4. PROJECT TITLE ADD TO AND ALTER DRUG ABUSE DETECTION LABORATORY	5. PROJECT NUMBER CNBC860902	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started
(b) Percent Complete as of January 1986 84 OCT 09
(c) Percent Complete as of October 1986 45
(d) Date Design Complete 100
86 SEP 30

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):
(a) Production of Plans and Specifications ($000)
(b) All Other Design Costs 181
(c) Total 0
(d) Contract 181
(e) In-house 122
59

(4) Construction start
86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86
3. INSTALLATION AND LOCATION Fort Hood Texas	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX .89

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	4199	35079	4686	0	0	0	29	97	0	44,090
B. END FY 91	5017	34946	4131	0	0	0	29	97	0	44,220

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 216,915 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	588,576
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	17,850
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	50,079
F. PLANNED IN NEXT THREE YEARS	272,470
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	928,975

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179	503	INSTALL MOVING TGT SYSTEM	4,500	07/84	12/85
171	522	INTEL READINESS TRNG FAC	2,750	07/85	09/86
214	527	CENTRAL VEHICLE WASH FAC	10,600	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	17,850		
		TOTAL	17,850		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
141	BN HQDS PATRIOT	1,000
214	CONSOLIDATED MAINT FAC	28,800
178	SUB CAL RANGE, M-1/BRADLEY	3,363
214	TAC EQUIP SHOP-15TH MI	2,497
171	BATTALION ADM/CLASS BLDG	1,723
214	TAC EQUIP SHOP PATRIOT	7,100
723	CO OPS & SUPPY	1,931
211	AIRCRAFT MAIN FAC EXP	3,675
	SUBTOTAL PROJECTS OVER $1M	50,079
	TOTAL	50,079

10. MISSION OR MAJOR FUNCTIONS:

The primary activities at Fort Hood are all oriented toward the training of combat, combat support and combat service support units, primarily through maneuver and live fire training exercises.

DD FORM 1 DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION: Fort Hood Texas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 JAN 86

3. INSTALLATION AND LOCATION Fort Hood, Texas	4. PROJECT TITLE Troop Medical Clinic

5. PROGRAM ELEMENT 87711A	6. CATEGORY CODE 550	7. PROJECT NUMBER 506	8. PROJECT COST ($000) Auth 3,450 Approp 3,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,552
Consol Troop Medical Clinic	SF	25,773	99.00	(2,552)
Supporting Facilities				441
Electric Service	LS	-	-	(70)
Water, Sewer & Gas	LS	-	-	(28)
Paving, Walks, Curbs & Gutters	LS	-	-	(153)
Storm Drainage	LS	-	-	(21)
Site Improvement	LS	-	-	(104)
Communication	LS	-	-	(65)
Subtotal				2,993
Contingency (5.00%)				150
Total Contract Cost				3,143
Supervision, Inspection & Overhead (5.50%)				173
Category 'E' Equipment				156
Total Request				3,472
Total Request (Rounded)				3,450
Installed Equipment - Other Appropriations				(653)

10. Description of Proposed Construction Construction of a permanent consolidated troop medical clinic to include utilities, fire protection system, communications, site improvement, and operational concept manual.

11. REQUIREMENT: 57,750 SF ADEQUATE: 29,519 SF SUBSTANDARD: None

PROJECT: Construct a consolidated troop medical clinic.

REQUIREMENT: This project is required to provide a consolidated troop medical clinic for support of the 1st Cavalry Division. This facility will replace three (3) permanent troop medical clinics and one (1) temporary optometry clinic which have become too small and overcrowded.

CURRENT SITUATION: Currently, medical services are being provided to the 1st Cavalry Division through three (3) permanent clinic facilities and one (1) temporary optometry facility which are widely dispersed throughout the Division area. Because personnel resources are not sufficient to fully staff these separate locations, troops reporting for sick call cannot get all of their needs accomplished at a single location. This dispersion results in inefficient and uneconomical medical operations, wasting resources and time of scarce medical personnel, and reduces the productive time of the military patient.

IMPACT IF NOT PROVIDED: If this project is not provided, the present

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86
3.INSTALLATION AND LOCATION Fort Hood, Texas		
4.PROJECT TITLE Troop Medical Clinic	5.PROJECT NUMBER 506	

inefficient, uneconomical and cumbersome method of providing health care will continue.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUN 84
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 95
(d) Date Design Complete .... OCT 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No __
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 147
(b) All Other Design Costs 216
(c) Total Cost 363
(d) Contract 293
(e) In-house 70

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

AGE NO. PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED DD 1 FORM DEC 76 DD1391C

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS	4 COMMAND AIR TRAINING COMMAND	5 AREA CONSTR COST INDEX 0.86

6 PERSONNEL STRENGTH	[illegible]			STUDENTS			SUPPORTED			[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
a. AS OF 30 Sept 85	1,725	3,497	2,452	173	0	0	16	32	7	7,902
b. END FY 19 91	1,749	3,465	2,574	173	0	0	16	32	7	8,016

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (3,818)	
b INVENTORY TOTAL AS OF 30 Sept 85	110,827
c AUTHORIZATION NOT YET IN INVENTORY	5,600
d AUTHORIZATION REQUESTED IN THIS PROGRAM	2,250
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,900
f PLANNED IN NEXT THREE PROGRAM YEARS	39,780
g REMAINING DEFICIENCY	24,800
h GRAND TOTAL	192,157

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510-001	Clinic/Dental Clinic	93,000 SF	(13700)**	Dec 82	Apr 86
610-000	Administrative Facility (AFMEA)	22,600 SF	2,250	Apr 85	Sep 86
	** Not included in AF Totals				

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Unaccompanied Enlisted Personnel Housing	335 PN	5,000
724-415	Unaccompanied Officer Personnel Housing	80 PN	3,900
		Total	8,900

(b) Typical Planned Next Three Years:

171-815	Precission Maintenance Equipment Laboratory	2,000 SF	1,000
211-152	Aircraft Maintenance Complex	138,180 SF	15,500
722-351	Dining Hall	LS	1,400

10. Mission or Major Functions: A flying training wing conducting ground and flying training to develop pilot instructors proficiency in T-37 and T-38 aircraft; a Military Airlift Command C-21 unit maintaining an operational airlift force; Air Training Command headquarters responsible for management, control and direction of units at training bases; Air Force Recruiting Service Headquarters responsible for management of all Air Force recruiting units; and the Air Force Management Engineering Agency which is responsible for the management engineering program; and the USAF Instrument Flight Center which prepares and monitors AF directives and publications governing instrument flight.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 800
c.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS	4 PROJECT TITLE CLINIC/DENTAL CLINIC

5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 510-001	7 PROJECT NUMBER TYMX831002	8 PROJECT COST ($000) 13,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CLINIC/DENTAL CLINIC	SF	93,000		9,047
CLINIC	SF	(82,400)	95	(7,828)
DENTAL CLINIC	SF	(10,600)	115	(1,219)
SUPPORTING FACILITIES				2,865
UTILITIES	LS			(880)
PAVEMENTS	LS			(650)
SITE IMPROVEMENTS	LS			(900)
COMMUNICATIONS	LS			(435)
SUBTOTAL				11,912
CONTINGENCY (5%)				596
TOTAL CONTRACT COST				12,508
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%)				688
MEDICAL EQUIPMENT (CATAGORIES E AND F)				500
TOTAL REQUEST				13,696
TOTAL REQUEST (ROUNDED)				13,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(1,650)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, structural frame, walls, and built-up roof system, interior partition walls, and all necessary plumbing, mechanical and electrical utility support and including all communication system requirements and facility systems operating manuals. Functional areas include outpatient and dental clinics, ancillary and administrative support areas, and utility/mechanical rooms. Air conditioning: 300 tons.

11. REQUIREMENT: 93,000 SF ADEQUATE: 0 SUBSTANDARD: 83,450 SF

PROJECT: Construct a medical and dental clinic.

REQUIREMENT: A replacement medical and dental facility of sufficient size and efficient functional configuration is needed to meet the primary health care needs of the military community served, to permit the most efficient use of personnel and resources in providing primary outpatient medical and dental care.

CURRENT SITUATION: The present medical complex consists of two buildings and a portion of a third, all built in 1931. These existing 54 year old buidings do not meet current life safety codes and environmental control standards of medical and dental facilities. About one third of the space is in basement areas with exposed utility pipes and unsafe height clearances. The dental clinic is housed in a building originally designed as officer quarters. Treatment rooms are seperated by temporary partitions. Space for examinations and care of patients is inadequate and doctors' offices must also be used as examiniation rooms. Patient waiting areas are inadequate, forcing patients to wait

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS		
4. PROJECT TITLE CLINIC/DENTAL CLINIC		5. PROJECT NUMBER TYMX831002

for treatment in congested hallways and thereby causing overlaping of traffic patterns of material, staff and patients. The resulting overcrowded conditions have a negeatve impact on productivity and quality health care. In addition, the capacities of utilities in the existing facilities cannot support the type and quantity of modern medical equipment required in today's medical environment.
IMPACT IF NOT PROVIDED: The quality of medical and dental care will continue to be degraded by operating in separated, poorly configured, medically substandard and undersized facilities.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS		
4 PROJECT TITLE CLINIC/DENTAL CLINIC		5. PROJECT NUMBER TYMX831002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 82 DEC 21
(b) Percent Complete as of January 1986 90
(c) Percent Complete as of October 1986 100
(d) Date Design Complete 86 APR 30

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications 1391
(b) All Other Design Costs 0
(c) Total 1391
(d) Contract 939
(e) In-house 452

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Medical and Dental Equipment	3080	87	1,650

DD FORM DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROGRAM

2. DATE
07 JAN 86

3. INSTALLATION AND LOCATION
Fort Lewis
Washington

4. COMMAND
US ARMY FORCES COMMAND

5. AREA CONSTRUCTION COST INDEX
1.07

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	3262	22027	5001	81	91	0	81	466	112	31,891
B. END FY 91	3361	22059	3575	70	100	0	20	87	100	29,665

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 86,175 AC
B. INVENTORY TOTAL AS OF 30 SEP 85.................. 339,407
C. AUTHORIZATION NOT YET IN INVENTORY.................. 0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM.................. 25,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.................. 137,796
F. PLANNED IN NEXT THREE YEARS.................. 367,220
G. REMAINING DEFICIENCY.................. 0
H. GRAND TOTAL.................. 880,400

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
833	460	REFUSE INCINERATOR PLANT	13,000	02/85	08/86
833	541	LANDFILL UPGRADE	7,500	06/85	08/86
214	553	TAC EQUIP SHOP, MLRS	4,400	07/85	10/86
		SUBTOTAL PROJECTS OVER $1M	24,900		
843	313	FIRE PROTECT SYS MOD	400	07/85	02/86
217	552	35TH COMSEC MAINT FAC	600	09/85	07/86
		SUBTOTAL PROJECTS $1M & LESS	1,000		
		TOTAL	25,900		

9. FUTURE PROJECTS

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)

CATEGORY CODE	PROJECT TITLE	COST ($000)
510	MADIGAN GEN HOSP 3	90,000
141	CIDC FIELD OPERATIONS BLDG	2,600
141	BN HQ COMPLEX	8,500
722	DINING FACILITY MOD LEWIS	1,190
722	DINING FACILITY MOD LEWIS	1,447
722	DINING FACILITY MOD LEWIS	1,315
179	MOUT RANGE	4,000
214	TACTICAL EQUIPMENT SHOPS	1,681
214	TACT EQUIP SHOP 29TH SIG	3,350
141	BN HQ & CLASSROOM-NLTD	1,340
723	COMPANY OPER & SUPPLY MT	5,000
141	BN HQ-MT	1,087
214	TACT EQUIP SHOP - PATRIOT	8,370
141	BATTALION C&C, MLRS	1,000
723	COMPANY O&S, MLRS	1,850

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PAGE NO

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION Fort Lewis Washington

9. FUTURE PROJECTS: (CONTINUE)

CATEGORY CODE	PROJECT TITLE	COST (0000)
	A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
141	BATTALION CAC MI BN	2,365
	SUBTOTAL PROJECTS OVER $1M	236,307
141	BN HQ MT	630
171	TRAINING FACILITY	859
	SUBTOTAL PROJECTS $1M & LESS	1,489
	TOTAL	237,796

10. MISSION OR MAJOR FUNCTIONS

Responsible for command training and logistical support of a corps headquarters, and infantry division, non divisional support units, and active component, FORSCOM units assigned to I Corps, support to Madigan Army Medical Center, and Reserve Component summer training

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	(0000)
A. AIR POLLUTION	0
B. WATER POLLUTION	9,954
C. OCCUPATIONAL SAFETY AND HEALTH	0

PAGE NO.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD 1 DEC 76 FORM DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 JAN 86
3. INSTALLATION AND LOCATION Fort Lewis, Washington	4. PROJECT TITLE Madigan Army Medical Center Phase II	

5. PROGRAM ELEMENT 87711A	6. CATEGORY CODE 510	7. PROJECT NUMBER 38	8. PROJECT COST ($000) Auth 72,000 Approp 72,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Construct additional work items.	LS	-	-	44,568 (44568)
Supporting Facilities				
Operational Concept Manual	LS	-	-	180 (180)
Subtotal				44,748
Contingency (5.00%)				2,237
Total Contract Cost				46,985
Supervision, Inspection & Overhead (5.50%)				2,584
Category 'E' Equipment				22,531
Total Request				72,100
Total Request (Rounded)				72,000
Installed Equipment - Other Appropriations				(699)

10. Description of Proposed Construction Construct third increment of work for the new Madigan Army Medical Center. Work may include grading, site work, foundations, building construction, utilities support, ancilliary facilities, logistical support facilities, and Government furnished equipment. The Army proposes that funding for this project shall be by continuing authorization, similar to that used in Civil Works projects as authorized by Section 10 of the Rivers and Harbors Act of September 22, 1922 which states, in part, that work adopted by Congress may be procured by direct appropriations, by continuing contracts, or by both direct appropriations and continuing contracts.

11. REQUIREMENT: 478 BD ADEQUATE: None SUBSTANDARD: 623 BD

PROJECT: Construct the third increment of construction (Phase III) of the new Madigan Army Medical Center.

REQUIREMENT: This project is required to provide authorization of appropriation and appropriation for the third increment of construction for the Madigan Army Medical Center project that was approved at $338,000,000.00 in Title I of the FY 1985 MCA Authorization Act. Previous Appropriations $37,200,000; balances of Authorization $300,800,000.

CURRENT SITUATION: This multiple phase project, now under way, will replace

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 JAN 86
3. INSTALLATION AND LOCATION Fort Lewis, Washington		
4. PROJECT TITLE Madigan Army Medical Center Phase II		5. PROJECT NUMBER 38

the existing World War II station hospital with a modern hospital/regional medical center.

IMPACT IF NOT PROVIDED: Construction continuation of the new hospital/regional medical center will be delayed.

ADDITIONAL: An Economic Analysis was accomplished and furnished to DA, OSD, OMB and Congress.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....

(b) Percent Complete As Of January 1986 ....Feb 82

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete 98

....Nov 85

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ______________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 14

(b) All Other Design Costs 9

(c) Total Cost 23

(d) Contract 18

(e) In-house 5

(4) Construction Start .... May 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

     ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
         INSIDE THE UNITED STATES
              ($ THOUSANDS)
STATE/COMP./INSTALLATION
-------------------PROJECT NAME----------------   PROJ COST      TOTAL
ARIZONA                                           ----------  ----------
  JOINT TACTICAL C3 AGENCY
    FORT HUACHUCA
      COMMUNICATIONS TEST FACILITY                    9,890
       FORT HUACHUCA                                              9,890
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1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 01 NOV 85
3. INSTALLATION AND LOCATION FORT HUACHUCA Arizona	4. COMMAND US ARMY INFORMATION SYSTEMS COMMAND	5. AREA CONSTRUCTION COST INDEX 1.22

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	883	4479	4322	561	515	0	25	67	54	10,906
B. END FY 91	940	4523	3691	657	900	0	13	92	85	10,924

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 73,532 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85....................................	
C. AUTHORIZATION NOT YET IN INVENTORY....................................	168,052
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	0
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	28,200
F. PLANNED IN NEXT THREE YEARS....................................	24,835
G. REMAINING DEFICIENCY....................................	144,675
H. GRAND TOTAL....................................	0
	366,562

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
317	159	COMM TEST & EVAL CENTER			
317	172	COMMUNICATIONS TEST FAC	3,400	09/02	06/05
171	200	GEN INSTRUCTION FAC-AGATC	5,600	01/04	11/85
317	317	COMMUNICATION EQUIPMENT FAC	8,200	01/85	05/86
		SUBTOTAL PROJECTS OVER $1M		09/85	07/86
		TOTAL			

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :	
171	FLIGHT SIMULATOR BLG	
730	FIRE STATION-2 STALL	7,101
442	MEDICAL SUPPLY WAREHOUSE	1,520
317	COMMUNICATION EQUIP FAC	1,164
911	LAND PURCHASES & CONDEM.	11,600
	SUBTOTAL PROJECTS OVER $1M	2,004
		23,479
723	ADMIN&SUPPLY ADDN	
171	INST BLDG EXP	556
	SUBTOTAL PROJECTS $1M & LESS	800
		1,356
	TOTAL	24,835

10. MISSION OR MAJOR FUNCTIONS:
The current mission of Fort Huachuca is to provide, in accordance with AR 10-7 or as directed by Commander, U.S. Army Information Systems Command, logistics and administrative support to tenant organizations including Army Major Field Command, (USAISC), Army Major Class II Activity

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 01 NOV 85

INSTALLATION AND LOCATION: FORT HUACHUCA Arizona

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

(USAEPG), TRADOC Activity, area FORSCOM Activities, and approximately 20 major tenant elements. The installation provides various administrative, legal, supply, community services, support, etc., to all personnel stationed at the installation. Installation missions include, but are not limited to, world-wide Army Communications, Electronics Test and Evaluation, advanced training at a TRADOC school, home of 11th Signal Brigade, US Army Information Systems Engineering Support Command (USAISESC), Communications Electronic Installation - Battalion (CEI-BN), Joint Tactical Command, Control and Communications Agency (JTC3A) (DOD), and Raymond W. Bliss Army Hospital.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	999,999

1 COMPONENT ARMY	FY 1986 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 86

3 INSTALLATION AND LOCATION Fort Huachuca, Arizona	4 PROJECT TITLE Communication Equipment Facility

5 PROGRAM ELEMENT 35896A	6 CATEGORY CODE 317	7 PROJECT NUMBER 317	8 PROJECT COST ($000) 0 0

9 COST ESTIMATES

ITEM	U M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				8,586
Communications Equipment Fac.	SF	93,000	92.29	(8,583)
Guard House	LS	-	-	(3)
Supporting Facilities				1,302
Electric Service	LS	-	-	(316)
Water, Sewer & Gas	LS	-	-	(41)
Paving, Walks, Curbs & Gutters	LS	-	-	(258)
Storm Drainage	LS	-	-	(17)
Site Improvement (311) Demolition (43)	LS	-	-	(354)
Communication	LS	-	-	(316)
				9,890

10 Description of Proposed Construction Construction of a permanent facility to house 337 personnel and electronic communications and ADP equipment for the Joint Tactical Command, Control and Communications Agency (JTC3A). The project will include a Special Compartmented Intelligence Facility (SCIF), all required utilities, raised floor for computers, communications, fire protection and alarm systems, storm drainage and site improvments. Heating and air conditioning with self-contained system. Nine (9) World War II buildings (31,624 SF), will be demolished. Air conditioning: 563 tons.

11. REQUIREMENT: 127,438 SF ADEQUATE: 34,438 SF SUBSTANDARD: 31,624 SF

PROJECT: Construct a communication equipment facility.

REQUIREMENT: To meet the future tactical C3 interoperability testing mission the JTC3A will combine its field test agencies and three separate test beds into a single facility and organization in FY 1990 at Fort Huachuca, Arizona. This action requires 93,000 SF of equipment space and office space for 337 personnel in addition to the space available in the JTE Joint Test Facility. The combined organization will have a total Government/Military/Contractor strength of 486 personnel.

CURRENT SITUATION: The Joint Interface Test Force (JITF) operates the Joint Interface Test Systems (JITS) at Fort Monmouth, New Jersey. A

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Huachuca, Arizona		
4. PROJECT TITLE Communication Equipment Facility		5. PROJECT NUMBER 217

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
state-of-the-art Distributed Tactical Test Network (DTTN) is being assembled to enable the JITF to conduct Joint Tactical Information Distribution System (JTIDS) testing which employs new TADIL-J technology. The DTTN is being assembled at the Naval Ocean Systems Center (NOSC), San Deigo, California and will be operated jointly by Navy and JITF personnel. The Navy requires that this equipment be relocated after the developmental phase, approximately December 1989. In addition to the JTF, personnel occupy nine World War-II temporary buildings.

IMPACT IF NOT PROVIDED: If a new building is not provided, the tactical C3 interoperability test mission can not be accomplished efficiently and economically. The DTTN and JITS require relocation, and if not relocated to a site at Fort Huachuca, then a single combined field organization could not be economically formed for the JTC3A.

ADDITIONAL: An Economic Analysis is not necessary for this project. All potential alternatives were examined in the development of the project and none were found to be feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started .... SEP 85
- (b) Percent Complete As Of January 1986 35
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete .... JUL 86

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used ________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 425
- (b) All Other Design Costs 278
- (c) Total Cost 603
- (d) Contract 577
- (e) In-house 026

(4) Construction Start .... APR 87
month & year

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

      ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
     SPECIFIED OUTSIDE THE UNITED STATES
               ($ THOUSANDS)
STATE/COMP./INSTALLATION
--------------------PROJECT NAME----------------     PROJ COST      TOTAL
BELGIUM                                              ----------   ----------
  DEFENSE LEVEL ACTIVITIES
    SHAPE HQ - CASTEAU
     ELEMENTARY AND HIGH SCHOOL ADDITION                  1,260
      SHAPE HQ - CASTEAU
                                                                       1,260

BERMUDA
  DEFENSE LEVEL ACTIVITIES
    NAVAL AIR STATION
     ELEMENTARY SCHOOL
      NAVAL AIR STATION                                   4,280
                                                                       4,280

GERMANY
  DEFENSE LEVEL ACTIVITIES
    ASCHAFFENBURG
     ELEMENTARY AND JUNIOR HIGH SCHOOL ADDITION           8,800
      ASCHAFFENBURG
                                                                       8,800
    BAD KISSINGEN
     ELEMENTARY SCHOOL ADDITION                           1,330
      BAD KISSINGEN
                                                                       1,330
    BAUMHOLDER
     SMITH ELEMENTARY SCHOOL ADDITION                     1,600
      BAUMHOLDER
                                                                       1,600
    DEXHEIM
     ELEMENTARY SCHOOL ADDITION                           2,430
      DEXHEIM
                                                                       2,430
    ERLANGEN
     ELEMENTARY SCHOOL ADDITION                           3,220
      ERLANGEN
                                                                       3,220
    GELNHAUSEN
     ELEMENTARY SCHOOL ADDITION                           1,130
      GELNHAUSEN
                                                                       1,130

     ELEMENTARY SCHOOL ADDITION                           2,500
      GRAFENWOEHR

    HAHN AIR BASE
     HIGH SCHOOL ADDITION                                 3,470
      HAHN AIR BASE
                                                                       3,470
    HEIDELBERG
     ELEMENTARY AND HIGH SCHOOL                           3,190
      HEIDELBERG
                                                                       3,190
    HESSISCH-OLDENDORF
     ELEMENTARY SCHOOL                                    2,310
      HESSISCH-OLDENDORF
                                                                       2,310
    HOHENFELS
     ELEMENTARY SCHOOL ADDITION                           1,190
      HOHENFELS
                                                                       1,190
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
KAISERLAUTERN AIR BASE		
ELEMENTARY AND HIGH SCHOOL ADDITION	7,880	
KAISERLAUTERN AIR BA..		7,880
NUERNBERG		
ELEMENTARY SCHOOL		
NUERNBERG	8,580	
		8,580
SCHWAEBISCH GMUEND		
ELEMENTARY SCHOOL ADDITION		
SCHWAEBISCH GMUEND	1,640	
		1,640
STUTTGART		
ELEMENTARY AND JUNIOR HIGH SCHOOL ADDITION		
STUTTGART	4,530	
		4,530
WUERZBURG		
MIDDLE SCHOOL	7,760	
WUERZBURG		7,760
ITALY		
DEFENSE LEVEL ACTIVITIES		
NAPLES		
ELEMENTARY AND HIGH SCHOOL	19,590	
NETHERLANDS		
DEFENSE LEVEL ACTIVITIES		
WOENSDRECHT		
ELEMENTARY AND HIGH SCHOOL ADDITION	7,420	
WOENSDRECHT		7,420

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION SHAPE HEADQUARTERS CASTEAU, BELGIUM	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX 1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			75			986				1061
b. END FY 19 91			97			1250				1347

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $1,260
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $1,260

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-785	SHAPE Elementary and High School Additions	13,800 SF	$1,260	6/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION SHAPE HEADQUARTERS, CASTEAU, BELGIUM	4. PROJECT TITLE SHAPE ELEMENTARY AND HIGH SCHOOL ADDITIONS

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-785	7. PROJECT NUMBER 87AA1	8. PROJECT COST ($000) $1,260

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Elementary and High School Additions	SF	13,800	$73.00	$1,007 (1,007)
Supporting Facilities				130
Electric	LS			(25)
Water and Sanitary Sewer	LS			(20)
Heating	LS			(32)
Storm Drainage	LS			(18)
Site Improvements, Walks and Paving	LS			(24)
Fire Protection/Communications	LS			(11)
Subtotal				1,137
Contingency (5%)				57
Total Contract Cost				1,194
Supervision, Inspection & Overhead (5.5%)				66
Total Request				$1,260

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct two pre-engineered, precast, reinforced concrete, masonry, or steel frame additions with pitched roofs. The classroom addition will include 4 general purpose classrooms, 2 science labs, 2 specialist offices and supply/storage room. The gymnasium addition will include locker/changing rooms, showers, teacher, team, and training rooms. Project will include all utilities, intercom system, fire protection, and landscaping.

11. REQUIREMENT: 72 Teaching Stations. Adequate: 64 Substandard: 8

Project: To construct additions to the elementary and high school to provide additional instructional space and an adequate gymnasium with locker and shower areas.

CURRENT SITUATION: The elementary school student population is at its peak and the facilities are overcrowded. In addition, many of the spaces do not meet the DoD minimum criteria and additional specialist and other staffing have generated a need for additional space. The two general science classrooms are an additional requirement as space limitations severely restrict the ability of the staff to adequately teach this subject. The North Central Association of Colleges and Schools (NCA), which accredits DoD schools, has recommended a citation for insufficient instructional space and the 1984 IG team cited the school gymnasium and locker/shower facilities as inadequate.

IMPACT IF NOT PROVIDED: The use of crowded, inadequate facilities impairs the overall educational program and limits the services available to the students.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION SHAPE HEADQUARTERS, CASTEAU, BELGIUM		
4. PROJECT TITLE SHAPE ELEMENTARY AND HIGH SCHOOL ADDITIONS		5. PROJECT NUMBER 87AA1

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.......................... JUN 85
(b) Percent Complete as of January 1, 19 86....... 35%
(c) Percent Complete as of October 1, 19 86....... 100%
(d) Date Design Complete.......................... SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........(_____)
(b) All Other Design Costs........................(_____)
(c) Total...(150)
(d) Contract......................................(100)
(e) In-house......................................(50)

(4) Construction Start.......................... JAN 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION NAVAL AIR STATION, BERMUDA	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX 1.31

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			37			412				449
b. END FY 19 91			43			475				518

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF ....

c. AUTHORIZATION NOT YET IN INVENTORY........................

d. AUTHORIZATION REQUESTED IN THIS PROGRAM $4,280

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....

f. PLANNED IN NEXT THREE PROGRAM YEARS ....

g. REMAINING DEFICIENCY ....

h. GRAND TOTAL $4,280

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Bermuda Elementary School	28,500 SF	$4,280	9/84	8/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS Sect)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION NAVAL AIR STATION, BERMUDA	4. PROJECT TITLE BERMUDA ELEMENTARY SCHOOL

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87AB2	8. PROJECT COST ($000) $4,280

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	28,500	123.00	$3,506
Elementary School	SF	26,550	123.00	(3,266)
Elem/High School Music Room Addition	SF	1,950	123.00	(240)
Supporting Facilities				358
Water and Sanitary Sewer	LS			(58)
Electric	LS			(42)
Storm Drainage	LS			(10)
Roads, Parking, and Sidewalks	LS			(85)
Site and Playground Improvements	LS			(88)
Demolition	LS			(61)
Fire Protection/Communications	LS			(14)
Subtotal				3,864
Contingency (5%)				193
Total Contract Cost				4,057
Supervision, Inspection & Overhead (5.5%)				223
Total Request				$4,280

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame elementary school. The project includes 1 kindergarten, 8 general purpose classrooms, rooms for art, computer development, learning disabilities, speech therapy, reading improvement, supply/storage, nurse, administration offices, teachers' workroom, media center, and multipurpose room. Also includes a music room addition to be used by the elementary and high school students. Includes all utilities, intercom system, air conditioning, fencing and landscaping.

11. REQUIREMENT: 15 Teaching Stations. Adequate: 0 Substandard: 15

Project: Construct an elementary school and an elementary/high school music room addition.

CURRENT SITUATION: The substandard existing school consists of a series of pre-engineered, relocatable, metal skinned modules which are in a state of deterioration. These temporary buildings, which leak during rain, are beyond economical maintenance and repair. Neither the elementary nor the high school has an adequate room for music activities. The North Central Association of Colleges and Schools (NCA), which accredits DoD schools, has been critical of the existing substandard, deficient school facility.

IMPACT IF NOT PROVIDED: The education program will continue to be severely restricted. The lack of an adequate, modern school facility will result in the continuation of a substandard educational environment.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION NAVAL AIR STATION, BERMUDA		
4. PROJECT TITLE BERMUDA ELEMENTARY SCHOOL		5. PROJECT NUMBER 87AN2

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started............................ SEP 84
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete........................... AUG 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........(   )
(b) All Other Design Costs..........................(   )
(c) Total...(290)
(d) Contract..(200)
(e) In-house..(90)

(4) Construction Start.......................... JAN 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c   PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED   PAGE NO.

1. COMPONENT DEFENSE (DODDS)	**FY 19 87 MILITARY CONSTRUCTION PROGRAM**	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION ASCHAFFENBURG, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR COST INDEX .96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			70			956				1026
b. END FY 1991			74			1100				1174

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM $6,600
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $6,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-786	Aschaffenburg Elementary/ Junior High School Addition	75,200 SF	$6,600	5/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:

	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION ASCHAFFENBURG, GERMANY	4. PROJECT TITLE ASCHAFFENBURG ELEMENTARY/JUNIOR HIGH SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-786	7. PROJECT NUMBER 87CA1	8. PROJECT COST ($000) $6,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$5,114
Elementary/Junior High School Addition	SF	75,200	$68.00	(5,114)
Supporting Facilities				844
Utilities	LS			(160)
Site Preparation and Demolition	LS			(173)
Lease/Install. of temporary classrooms	LS			(31)
Roads, Walks, Parking, Landscaping	LS			(175)
Communications	LS			(48)
Playgrounds and Fencing	LS			(90)
Site Improvement	LS			(67)
Heating Plant	LS			(100)
Subtotal				5,958
Contingency (5%)				298
Total Contract Cost				6,256
Supervision, Inspection & Overhead (5.5%)				344
Total Request				$6,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes 19 general purpose classrooms, 2 host nation, 4 learning development, and 2 science rooms with storage; 1 room each for art, music, business lab, home economics, industrial arts; and additional classroom facilities for a Talented and Gifted program, English as a Second Language, compensatory education, reading improvement, speech, and counseling. Additional supporting school facilities now required to accommodate current student population and meet near-term requirements are: multipurpose room with kitchen and storage/supply space; gymnasium with locker rooms and storage space and office for education program manager. Project includes intercom, bell, and fire alarm system for both the old and the new structures.

11. REQUIREMENT: 56 Teaching Stations. Adequate: 19 Substandard: 37

Project: Provide an addition to the existing elementary/junior high school for grades 1 through 8 for 1100 students. During construction, temporary classrooms must be in place while demolition is being accomplished.

CURRENT SITUATION: The school has no multipurpose room for student meal service, no gym facilities, and no adequate rooms for art, music, learning disability, or reading. The school is housing students in 13 inadequate corregated metal prefabs, in 1 converted masonry structure located 1/2 mile from the main school site, and in the Youth Activities Center. The leased prefabs will be removed when the new structure is erected.

IMPACT IF NOT PROVIDED: The use of overcrowded, inadequate facilities will continue to restrict the programs and services available to students

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION ASCHAFFENBURG, GERMANY		
4. PROJECT TITLE ASCHAFFENBURG ELEMENTARY/JUNIOR HIGH SCHOOL ADDITION		5. PROJECT NUMBER 87GA1

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. MAY 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete.............................. SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..........................( )
(c) Total..(480)
(d) Contract...(320)
(e) In-house...(160)

(4) Construction Start.......................... MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

NONE

-

1. COMPONENT DEFENSE (DODDS)	FY 19_87_ MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION BAD KISSINGEN, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			25			334				359
b. END FY 19 91			26			350				376

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY..
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $1,330
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $1,330

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Bad Kissingen Elementary School Addition	16,510 SF	$1,330	5/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION BAD KISSINGEN, GERMANY	4. PROJECT TITLE BAD KISSINGEN ELEMENTARY SCHOOL ADDITION	

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87GA2	8. PROJECT COST ($000) $1,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Elementary School Addition	SF	16,510	$63.00	$1,046
Renovation of Existing Facility	SF	14,910	$68.00	(1,014)
	SF	1,600	$20.00	(32)
Supporting Facilities				
Utilities				155
Site Preparation	LS			(34)
Roads, Walks, Parking, Landscaping	LS			(28)
Communications	LS			(30)
Playgrounds and Fencing	LS			(10)
Site Improvement	LS			(15)
Heating Plant	LS			(23)
Subtotal	LS			(15)
Contingency (5%)				1,201
Total Contract Cost				60
Supervision, Inspection & Overhead (5.5%)				1,261
Total Request				69
				$1,330

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes 2 general purpose classrooms, reading improvment, speech, host nation, and storage/supply rooms, an equipped kitchen, media center and multipurpose room. It also includes paving, fire alarm, bell, intercom, necessary tie-in and alterations to the existing structure.

11. REQUIREMENT: 11 Teaching Stations. Adequate: 7 Substandard: 4

Project: Provide an addition to the existing elementary school for grades K-6. This project will provide an adequate school facility for 350 students.

CURRENT SITUATION: The existing overcrowded facility is deficient and substandard. The school has no student meal service, no physical education facilities, and no adequate facilities for the media center or special education activities. The North Central Association of Colleges and Schools (NCA), which accredits DoD schools, has been critical of this inadequate facility.

IMPACT IF NOT PROVIDED: The existing school is overcrowded and this results in a substandard educati. al environment which hampers the day-to-day operation of the school.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION BAD KISSINGEN		
4. PROJECT TITLE BAD KISSINGEN ELEMENTARY SCHOOL ADDITION		5. PROJECT NUMBER 87GA2

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. MAY 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100
(d) Date Design Complete........................... SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........(   )
(b) All Other Design Costs..........................(   )
(c) Total...(80)
(d) Contract..(50)
(e) In-house..(30)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION BAUMHOLDER, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			50			700				750
b. END FY 1991			51			700				751

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF ....

c. AUTHORIZATION NOT YET IN INVENTORY ....

d. AUTHORIZATION REQUESTED IN THIS PROGRAM $1,600

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....

f. PLANNED IN NEXT THREE PROGRAM YEARS ....

g. REMAINING DEFICIENCY ....

h. GRAND TOTAL $1,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
730-784	Smith Elementary School Addition	19,800 SF	$1,600	4/85	8/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies: $000
   a. Air Pollution: 0
   b. Water Pollution: 0
   c. Safety and Occupational Health: 0

DD FORM 1 DEC 76 1390

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION
BAUMHOLDER, GERMANY

4. PROJECT TITLE
SMITH ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87GA3	8. PROJECT COST ($000) $1,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	19,800	$63.00	$1,250
Elementary School Addition	SF	17,800	$68.00	(1,210)
Renovation of Existing Facility	SF	2,000	$20.00	(40)
Supporting Facilities				195
Utilities	LS			(30)
Site Preparation	LS			(32)
Demolition	LS			(12)
Roads, Walks, Parking, Landscaping	LS			(38)
Communications	LS			(10)
Playgrounds and Fencing	LS			(16)
Site Improvement	LS			(20)
Lease/Install. of temporary classrooms	LS	3 rooms		(20)
Heating Plant	LS			(17)
Subtotal				1,445
Contingency (5%)				72
Total Contract Cost				1,516
Supervision, Inspection & Overhead (5.5%)				83
Total Request				$1,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes the following rooms: 3 general purpose, 4 kindergarten, a library and supply room. Renovation work is required in 2 classrooms currently used as a library. Also includes all utilities, paving, walks, parking, landscaping, playgrounds, fencing, exterior lighting, communications, fire alarm, bell, intercom, painting, necessary tie-in and alterations to the existing structure.

11. REQUIREMENT: 27 Teaching Stations. Adequate: 19 Substandard: 8

Project: Provide an addition to the existing Smith Elementary School at Baumholder. This project will provide an adequate school facility for 700 students. During construction, temporary classrooms must be in place while demolition is being accomplished.

CURRENT SITUATION: In addition to housing students in the permanent school facility, some students are utilizing 3 makeshift, corrugated metal, prefabricated classrooms that have poor heating and ventilation and are unsuitable for school use. The 3 existing kindergarten rooms are far below minimum size standards. The present library is located in 2 inadequate converted classrooms and is far below DoD standards..

IMPACT IF NOT PROVIDED: The lack of an adequate school facility will result in the continuation of a substandard educational environment which hampers the day-to-day operation of the school.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION BAUMHOLDER, GERMANY		
4. PROJECT TITLE SMITH ELEMENTARY SCHOOL ADDITION		5. PROJECT NUMBER 87GA3

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. APR 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100
(d) Date Design Complete............................. AUG 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..........................( )
(c) Total...(120)
(d) Contract..(80)
(e) In-house..(40)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION DEXHEIM, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85			15			179				194
b. END FY 19 91			35			425				460

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $2,430
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $2,430

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Dexheim Elementary School Addition	28,720 SF	$2,430	5/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies: $000
a. Air Pollution: 0
b. Water Pollution: 0
c. Safety and Occupational Health: 0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION DEXHEIM, GERMANY	4. PROJECT TITLE DEXHEIM ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87GA4	8. PROJECT COST ($000) $2,430

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	28,720	$66.00	$1,905
Elementary School Addition	SF	27,720	$68.00	(1,885)
Renovation and Alterations	SF	1,000	$20.00	(20)
Supporting Facilities				288
Utilities	LS			(62)
Site Preparation	LS			(50)
Roads, Walks, Parking, Landscaping	LS			(56)
Communications	LS			(22)
Playgrounds and Fencing	LS			(28)
Site Improvement	LS			(42)
Heating Plant	LS			(28)
Subtotal				2,193
Contingency (5%)				110
Total Contract Cost				2,303
Supervision, Inspection & Overhead (5.5%)				127
Total Request				$2,430

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame school addition. Project includes 6 general purpose classrooms, 2 kindergarten rooms, and 1 each for music, reading improvement, speech, health, host nation, storage and supply areas, kitchen, media center, multipurpose room, a principal's office, and an assistant principal's office. Also includes all utilities, paving, walks, parking, landscaping, playgrounds, fencing, exterior lighting, communications, intercom, bell and fire alarm system, painting, necessary tie-ins, and renovation and alterations to the existing structure.

11. Requirement: 16 Teaching Stations Adequate: 5 Substandard: 11

Project: Provide an addition to the existing elementary school for grades Kindergarten through 6.

Requirement: This project is required to provide an adequate school facility for 425 students.

Current Situation: Approximately $20,000,000 in construction is currently underway to support the fielding and stationing of one Air Defense Artillery Patriot Battalion, along with 100 additional build-to-lease housing units and 100 FY 1984 MCA funded housing units in support of 32nd AADCOM. By 1986, the K-6 student population is projected to increase to 425 students from the present 143 students. Therefore, additional construction is required to support this increase.

Impact If Not Provided: The students will continue to be subjected to overcrowded, deficient facilities in a substandard educational environment.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION DEXHEIM, GERMANY		
4. PROJECT TITLE DEXHEIM ELEMENTARY SCHOOL ADDITION		5. PROJECT NUMBER 87GA4

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. MAY 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100
(d) Date Design Complete.............................. SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..............................( )
(c) Total...(170)
(d) Contract...(110)
(e) In-house...(60)

(4) Construction Start............................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION ERLANGEN, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			37			613				650
b. END FY 19 91			37			613				650

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY..........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $3,220
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $3,220

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Erlangen Elementary School Addition	38,500 SF	$3,220	5/85	9/86

9. **FUTURE PROJECTS:** No additional construction projects are planned for this school within the next three years.

10. **MISSION:** To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:

	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390
[illegible]

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION ERLANGEN, GERMANY	4. PROJECT TITLE ERLANGEN ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87GA5	8. PROJECT COST ($000) $3,220

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	38,500	$66.00	$2,522
Elementary School Addition	SF	36,500	$68.00	(2,482)
Renovation of Existing Facility	SF	2,000	$20.00	(40)
Supporting Facilities				385
Utilities	LS			(73)
Site Preparation	LS			(63)
Roads, Walks, Parking, Landscaping	LS			(70)
Communications	LS			(20)
Playgrounds and Fencing	LS			(34)
Site Improvement	LS			(45)
Lease/Install. of temporary classrooms	LS			(50)
Heating Plant	LS			(30)
Subtotal				2,907
Contingency (5%)				145
Total Contract Cost				3,052
Supervision, Inspection & Overhead (5.5%)				168
Total Request				$3,220

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes the following: 3 kindergarten and 4 general purpose classrooms, art, 2 learning development, reading improvement, speech therapy, multipurpose, supply/storage, physical education storage, equipment storage, and office storage rooms, an equipped kitchen, media center, nurse's office, office and staff office spaces. Also includes lighting, and communications system.

11. REQUIREMENT: 20 Teaching Stations. Adequate: 8 Substandard: 12

Project: Provide an addition to the existing Erlangen Elementary School for grades Kindergarten through 5. This project will provide an adequate school facility for 613 students. During construction, temporary classrooms must be in place while ongoing work is being accomplished.

CURRENT SITUATION: In addition to the existing school, which is substandard and crowded, use is also being made of a converted barracks and a metal prefabricated building, both of which are substandard. The barracks facility must be vacated upon the completion of an adjacent tactical vehicle storage area that will place the building in a danger zone. Existing areas being used for reading development, speech therapy, and host nation studies are completely unsuitable. Ancillary space is also substandard. The existing library will not meet accreditation standards and there is no space for a lunch program. The North Central Association of Colleges and Schools (NCA), which accredits DoD schools, has been very critical of this school's facilities.

IMPACT IF NOT PROVIDED: The lack of an adequate school facility will result in the continuation of a substandard educational environment.

1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION ERLANGEN, GERMANY		
4. PROJECT TITLE ERLANGEN ELEMENTARY SCHOOL ADDITION		5. PROJECT NUMBER 87GA5

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. MAY 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete............................ SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..........................( )
(c) Total...(230)
(d) Contract..(150)
(e) In-house..(80)

(4) Construction Start......................... MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION GELNHAUSEN, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			36			601				637
b. END FY 1991			36			601				637

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $1,130
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $1,130

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Gelnhausen Elementary School Addition	14,800 SF	$1,130	5/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies: $000
a. Air Pollution: 0
b. Water Pollution: 0
c. Safety and Occupational Health: 0

1. COMPONENT DEFENSE (DODDS)	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION GELNHAUSEN, GERMANY	4. PROJECT TITLE GELNHAUSEN ELEMENTARY SCHOOL ADDITION	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88715-D	730-784	87GA6	$1,130

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$886
Elementary School Addition	SF	14,800	$59.86	(836)
Renovation of Existing Facility	SF	12,300	$68.00	(50)
Supporting Facilities	SF	2,500	$20.00	134
Utilities	LS			(26)
Site Preparation	LS			(13)
Demolition	LS			(16)
Lease/Install. of temporary classrooms	LS			(15)
Roads, Walks, Parking, Landscaping	LS			(20)
Communications	LS			(8)
Playgrounds and Fencing	LS			(10)
Site Improvement	LS			(16)
Heating Plant	LS			(10)
Subtotal				1,020
Contingency (5%)				51
Total Contract Cost				1,071
Supervision, Inspection & Overhead (5.5%)				59
Total Request				$1,130

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes the following: 2 kindergarten classrooms, 1 equipped kitchen, 1 media center, and special education rooms for reading, speech, compensatory education, and learning disabilities. Includes supporting facilities and some renovation of the existing facility.

11. REQUIREMENT: 22 Teaching Stations. Adequate: 16 Substandard: 6

Project: Provide an addition to the existing Gelnhausen Elementary School for grades Kindergarten through 5. This project will provide an adequate school facility for 601 students. During construction, temporary classrooms must be in place while demolition is being accomplished.

CURRENT SITUATION: In addition to adequate classrooms, the existing school also occupies 5 substandard metal temporary classrooms and has a basement library room. On two occasions the library collection has been destroyed because of flooding in the basement. The old temporary buildings are difficult to heat and expensive to maintain. There are no adequate rooms for special education activities. Due to an increase of over 100 students in the last year, an annex school has been established in temporary facilities approximately 8 miles from the main school.

IMPACT IF NOT PROVIDED: The lack of an adequate school facility will result in the continuation of a substandard educational environment which hampers the day-to-day operation of the school. In particular, special education activities will be limited.

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1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION
GELNHAUSEN, GERMANY

4. PROJECT TITLE
GELNHAUSEN ELEMENTARY SCHOOL ADDITION

5. PROJECT NUMBER
87GA6

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started............................ MAY 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete.......................... SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........(   )
(b) All Other Design Costs.........................(   )
(c) Total..(80)
(d) Contract.......................................(50)
(e) In-house.......................................(30)

(4) Construction Start......................... MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION GRAFENWOEHR, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			37			466				503
b. END FY 1991			39			500				539

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF ....

c. AUTHORIZATION NOT YET IN INVENTORY ....

d. AUTHORIZATION REQUESTED IN THIS PROGRAM $2,500

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....

f. PLANNED IN NEXT THREE PROGRAM YEARS ....

g. REMAINING DEFICIENCY ....

h. GRAND TOTAL $2,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
730-784	Grafenwoehr Elementary School Addition	31,650 SF	$2,500	5/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:

	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION GRAFENWOEHR, GERMANY	4. PROJECT TITLE GRAFENWOEHR ELEMENTARY SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87GA7	8. PROJECT COST ($000) $2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	31,650	$62.00	$1,960
Elementary School Addition	SF	27,650	$68.00	(1,880)
Renovation of Existing Facility	SF	4,000	$20.00	(80)
Supporting Facilities				297
Utilities	LS			(64)
Site Preparation	LS			(52)
Roads, Walks, Parking, Landscaping	LS			(58)
Communications	LS			(20)
Playgrounds and Fencing	LS			(29)
Site Improvement	LS			(45)
Heating Plant	LS			(29)
Subtotal				2,257
Contingency (5%)				113
Total Contract Cost				2,370
Supervision, Inspection & Overhead (5.5%)				130
Total Request				$2,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes the following: 5 general purpose classrooms, special education rooms for reading, speech, learning disabilities, and Talented and Gifted, a host nation classroom, library, music and art rooms, counselor office, health room, and a multipurpose room with equipped kitchen. Also includes exterior lighting, fire alarm, bell, intercom, painting, and necessary tie-in and alteration to the existing structure

11. REQUIREMENT: 25 Teaching Stations. Adequate: 14 Substandard: 11

Project: Provide an addition to the existing Grafenwoehr Elementary School for grades Kindergarten through 6. This project will provide an adequate school facility for 500 students.

CURRENT SITUATION: In addition to the existing school, students are currently being housed in the post chapel and in a converted mortuary building. The library is far below minimum size standards. Special education classes are held in storage rooms or areas partitioned from corridors. There are no rooms for art or music, no multipurpose room, and no kitchen to provide a hot lunch program.

IMPACT IF NOT PROVIDED: The lack of an adequate school facility will result in the continuation of a substandard educational environment which hampers the day-to-day operation of the school.

1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION GRAFENWOEHR, GERMANY		
4. PROJECT TITLE GRAFENWOEHR ELEMENTARY SCHOOL ADDITION		5. PROJECT NUMBER 87GA7

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started............................ MAY 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete............................ SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..........................( )
(c) Total..(180)
(d) Contract.......................................(120)
(e) In-house.......................................(60)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

NONE

1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION HAHN, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			48			613				661
b. END FY 19 91			67			860				927

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $3,470
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $3,470

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
730-785	Hahn High School Addition	43,500 SF	$3,470	4/85	8/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION HAHN, GERMANY	4. PROJECT TITLE HAHN HIGH SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-785	7. PROJECT NUMBER 87GF8	8. PROJECT COST ($000) $3,470

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	43,500	$63.00	$2,725
High School Addition	SF	35,000	$73.00	(2,555)
Renovation of Existing Facility	SF	8,500	$20.00	(170)
Supporting Facilities				407
Utilities	LS			(89)
Site Preparation	LS			(73)
Roads, Walks, Parking, Landscaping	LS			(83)
Communications	LS			(20)
Playgrounds and Fencing	LS			(42)
Site Improvement	LS			(50)
Heating Plant	LS			(50)
Subtotal				3,132
Contingency (5%)				157
Total Contract Cost				3,289
Supervision, Inspection & Overhead (5.5%)				181
Total Request				$3,470

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes the following rooms: 7 general purpose, 1 science, 2 special education classrooms, a library, health room, supply room, administrative offices, music room, multipurpose room with an equipped kitchen and storage, and renovation of the existing multipurpose room, art room, and classroom area. It also includes paving, fire alarm, bell, intercom, necessary tie-in and alterations to the existing structure.

11. REQUIREMENT: 39 Teaching Stations. Adequate: 28 Substandard: 11

Project: Provide an addition to the existing Hahn High School. This project will provide an adequate school facility for 860 students.

CURRENT SITUATION: With the completion of the FY85 MILCON project for the Hahn Elementary School, there will be adequate facilities for students in grades K-12 based on current population. An enrollment increase of 270 students is projected from 1986 to 1987 based on the assignment of 4 new mission designated units and base personnel with dependents. There are no alternate facilities available on the base or for lease on the German economy.

IMPACT IF NOT PROVIDED: The existing school will become overcrowded and result in a substandard educational environment which hampers the day-to-day operation of the school. Some classes will have to operate on double sessions and special education services will be severely restricted due to the lack of facilities for these mandated programs.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION HAHN, GERMANY		
4. PROJECT TITLE HAHN HIGH SCHOOL ADDITION		5. PROJECT NUMBER 87GF8

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started............................ APR 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete........................... AUG 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs.........................( )
(c) Total..(210)
(d) Contract.......................................(140)
(e) In-house.......................................(70)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION HEIDELBERG, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			106			1328				1434
b. END FY 19 91			108			1375				1483

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $3,190
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $3,190

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-785	Heidelberg Elementary and High School Additions	41,400 SF	$3,190	5/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:

	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT DEFENSE (DODDS)	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION HEIDELBERG, GERMANY	4. PROJECT TITLE HEIDELBERG ELEMENTARY AND HIGH SCHOOL ADDITIONS

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-785	7. PROJECT NUMBER 87GA9	8. PROJECT COST ($000) $3,190

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	41,400	$61.00	$2,506
Elementary School Addition	SF	23,700	$68.00	(1,611)
High School Addition	SF	10,200	$73.00	(745)
Renovation	SF	7,500	$20.00	(150)
Supporting Facilities				374
Utilities	LS			(75)
Site Preparation and Demolition	LS			(75)
Roads, Walks, Parking, Landscaping	LS			(58)
Communications	LS			(20)
Playgrounds and Fencing	LS			(30)
Lease/Install. of temporary classrooms	LS			(30)
Site Improvement	LS			(50)
Heating Plant	LS			(36)
Subtotal				2,880
Contingency (5%)				144
Total Contract Cost				3,024
Supervision, Inspection & Overhead (5.5%)				166
Total Request				$3,190

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct pre-engineered, precast, reinforced concrete, masonry, or steel frame additions. The elementary school project includes the following rooms: 2 kindergarten, 1 room each for host nation, reading improvement, library, multipurpose, supply/storage, administration offices and renovation of the existing rooms for special education classrooms. The high school addition includes construction of a new gymnasium, locker room, storage, and a music room with storage. Also includes exterior lighting, fire alarm, bell, intercom, painting, necessary tie-in, and alterations to existing structures, and the installation of an elevator for the handicapped.

11. REQUIREMENT: 64 Teaching Stations. Adequate: 60 Substandard: 4

Project: Provide additions and alterations to the existing elementary and high schools for grades K-4 and 9-12. This project will provide an adequate elementary and high school complex for 1375 students.

CURRENT SITUATION: At present, the elementary and high schools share an inadequate temporary annex structure in addition to their permanent school facilities. This annex contains 3 inadequate elementary classrooms and an inadequate industrial arts classroom. The existing elementary library is located in 2 converted classrooms and is below minimum size standards. The elementary school must use 2 high school classrooms and has no dedicated area for physical education.

IMPACT IF NOT PROVIDED: The lack of an adequate school facility will result in the continuation of a substandard educational environment.

1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION HEIDELBERG, GERMANY		
4. PROJECT TITLE HEIDELBERG ELEMENTARY AND HIGH SCHOOL ADDITIONS		5. PROJECT NUMBER 87GA9

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started..............................
(b) Percent Complete as of January 1, 1986....... MAY 85
(c) Percent Complete as of October 1, 1986....... 35%
(d) Date Design Complete............................ 100%
SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes_____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........(______)
(b) All Other Design Costs..........................(______)
(c) Total...(220)
(d) Contract...(150)
(e) In-house...(70)

(4) Construction Start......................... MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO. 215

1. COMPONENT
DEFENSE (DODDS)

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE
13 JAN 86

3. INSTALLATION AND LOCATION
HESSISCH-OLDENDORF, GERMANY

4. COMMAND
DOD DEPENDENTS SCHOOLS

5. AREA CONSTR. COST INDEX
.96

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			22			195				217
b. END FY 19 91			24			275				299

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY..
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $2,310
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $2,310

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Hessisch-Oldendorf Elementary School	26,600 SF	$2,310	4/85	8/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:

	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390
PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
PAGE NO.

1. COMPONENT DEFENSE (DODDS)	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	3. DATE 13 JAN 86

2. INSTALLATION AND LOCATION HESSISCH-OLDENDORF, GERMANY	4. PROJECT TITLE HESSISCH-OLDENDORF ELEMENTARY SCHOOL

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87GF10	8. PROJECT COST ($000) $2,310

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$1,809
Elementary School	SF	26,600	$68.00	(1,809)
Supporting Facilities				277
Utilities	LS			(60)
Site Preparation	LS			(50)
Roads, Walks, Parking, Landscaping	LS			(54)
Communications	LS			(15)
Playgrounds and Fencing	LS			(29)
Site Improvement and Demolition	LS			(40)
Heating Plant	LS			(29)
Subtotal				2,086
Contingency (5%)				104
Total Contract Cost				2,190
Supervision, Inspection & Overhead (5.5%)				120
Total Request				$2,310

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame facility. Project includes 9 general purpose classrooms, a music/art room, multipurpose room, 2 special education rooms, equipped kitchen, offices, teachers' workroom and storage areas. Also includes intercom and bell system.

11. REQUIREMENT: 13 Teaching Stations. Adequate: 0 Substandard: 13

Project: Provide a replacement for the existing elementary school, grades K-6. This project will provide an adequate school facility for 275 students.

CURRENT SITUATION: The school is presently housed in a wooden temporary prefabricated leased facility built by the Dutch forces in 1964. The wooden floor, wall, and roof structures have begun to rot and several rooms have been sealed off because it is no longer safe to occupy them. On 3 separate occasions, teachers and students have received minor injuries when sections of the floor collapsed. The heating system is in such poor condition that on many days during the winter, students must wear their coats in the classroom. The electrical system requires constant repair because it cannot handle the load required for modern equipment. The building has deteriorated to such an extent that the lessor will not make major repairs. There are no facilities for a student meal program nor for physical education activities. There are no alternative lease facilities available in the area.

IMPACT IF NOT PROVIDED: Students will continue to occupy a hazardous facility. The lack of an adequate school facility will continue to restrict the program and services offered to students.

1. COMPONENT
DEFENSE
(DODDS)

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
13 JAN 86

3. INSTALLATION AND LOCATION
HESSISCH-OLDENDORF, GERMANY

4. PROJECT TITLE
HESSISCH-OLDENDORF ELEMENTARY SCHOOL

5. PROJECT NUMBER

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. MAR 85
(b) Percent Complete as of January 1, 1986....... 35%
(c) Percent Complete as of October 1, 1986....... 100%
(d) Date Design Complete.............................. AUG 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs..............................( )
(c) Total..(140)
(d) Contract..(90)
(e) In-house...(50)

(4) Construction Start.............................. MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

NONE

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION HOHENFELS, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			14			210				224
b. END FY 19 91			15			225				240

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM $1,190
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL ....

8. PROJECTS REQUESTED IN THIS PROGRAM: $1,190

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Hohenfels Elementary School Addition	14,800 SF	$1,190	5/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION HOHENFELS, GERMANY	4. PROJECT TITLE HOHENFELS ELEMENTARY SCHOOL ADDITION	

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87GA11	8. PROJECT COST ($000) $1,190

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Elementary School Addition	SF	14,800	$63.11	$ 934
Renovation of Existing Facility	SF	13,300	$68.00	(904)
	SF	1,500	$20.00	(30)
Supporting Facilities				
Utilities				140
Site Preparation	LS			(31)
Roads, Walks, Parking, Landscaping	LS			(25)
Communications	LS			(28)
Playgrounds and Fencing	LS			(7)
Site Improvement	LS			(14)
Heating Plant	LS			(21)
Subtotal	LS			(14)
Contingency (5%)				1,074
Total Contract Cost				54
Supervision, Inspection & Overhead (5.5%)				1,128
Total Request				62
				$1,190

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes the following: 1 kindergarten room, a media center, a multipurpose room with equipped kitchen.

11. REQUIREMENT: 8 Teaching Stations. Adequate: 6 Substandard: 2

Project: Provide an addition to the existing Hohenfels Elementary School for grades Kindergarten through 8. This project will provide an adequate school facility for 225 students.

CURRENT SITUATION: The existing 30-year old school is substandard and overcrowded. The library is located in a converted classroom. There is no multipurpose room for physical education nor a kitchen for student meal service. The school also lacks storage areas for storing valuable equipment and supplies.

IMPACT IF NOT PROVIDED: Students will continue to be subjected to overcrowded, deficient facilities in a substandard educational environment.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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PAGE NO

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION HOHENFELS, GERMANY		
4. PROJECT TITLE HOHENFELS ELEMENTARY SCHOOL ADDITION		5. PROJECT NUMBER 87GA11

12. **SUPPLEMENTAL DATA:**

a. **Estimated Design Data:**

(1) **Status:**

(a) Date Design Started........................... MAY 85
(b) Percent Complete as of January 1, 19 86....... 35%
(c) Percent Complete as of October 1, 19 86....... 100%
(d) Date Design Complete.......................... SEP 86

(2) **Basis:**

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs........................( )
(c) Total...(80)
(d) Contract......................................(50)
(e) In-house......................................(30)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION KAISERSLAUTERN, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			195			2732				2927
b. END FY 19 91			216			3015				3231

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $7,880
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $7,880

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-785	Kaiserslautern Elementary and High School Additions	98,200 SF	$7,880	5/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION KAISERSLAUTERN, GERMANY	4. PROJECT TITLE KAISERSLAUTERN ELEMENTARY AND HIGH SCHOOL ADDITIONS

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-785	7. PROJECT NUMBER 87GF12	8. PROJECT COST ($000) $7,880

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	98,200	$62.00	$6,102
Elementary School Addition	SF	85,200	$68.00	(5,794)
High School Gym Storage Addition	SF	1,000	$68.00	(68)
Renovation	SF	12,000	$20.00	(240)
Supporting Facilities				1,011
Utilities	LS			(199)
Site Preparation	LS			(165)
Roads, Walks, Parking, Landscaping	LS			(185)
Communications	LS			(45)
Playgrounds and Fencing	LS			(192)
Site Improvement	LS			(135)
Heating Plant	LS			(90)
Subtotal				7,113
Contingency (5%)				356
Total Contract Cost				7,469
Supervision, Inspection & Overhead (5.5%)				411
Total Request				$7,880

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition to the elementary school. The project includes 26 general purpose classrooms, 5 kindergarten, 4 host nation, 3 speech, 2 art, 2 music, 2 learning development, 3 reading improvement, and 1 room each for multipurpose with equipped kitchen, Talented and Gifted, English as a Second Language, media center, teachers' workroom, supply/storage, and an administrative/support area. Construct a gymnasium storage addition to the high school. Also included are exterior lighting, fire alarm, bell, intercom, painting, a handicapped elevator, and tie-in and alterations to existing structures.

11. REQUIREMENT: 156 Teaching Stations. Adequate: 111 Substandard: 45

Project: Provide additions and alterations to the existing elementary and high schools. This project will provide an adequate elementary, junior high, and high school complex for 3015 students.

CURRENT SITUATION: The existing school complex contains 131 teaching stations which is only 84 percent of that required for the projected enrollment. Many of these teaching stations are located in a metal building which has been condemned, eight prefabricated classroom units which are inadequate in size, and an old barracks, which is shared with military personnel. Also, many existing classrooms and sportsfields are too small for their current functional use. The North Central Association of Colleges and Schools (NCA), which accredits DoD schools, has been critical of this school's substandard and overcrowded facilities.

IMPACT IF NOT PROVIDED: Students will continue to be subjected to overcrowded, deficient facilities in a substandard educational environment.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION
KAISERSLAUTERN, GERMANY

4. PROJECT TITLE KAISERSLAUTERN ELEMENTARY AND HIGH SCHOOL ADDITIONS	5. PROJECT NUMBER 87GF12

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started............................ MAY 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete........................... SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........( )
(b) All Other Design Costs.........................( )
(c) Total..(550)
(d) Contract.......................................(360)
(e) In-house.......................................(190)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

NONE

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION NUERNBERG, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX 1.08

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			—			—				--
b. END FY 19 91			73			1300				1373

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $8,580
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL $8,580

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Nuernberg Elementary School	99,000 SF	$8,580	5/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:

	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

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S/N 0102-LF-001-3901

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION NUERNBERG, GERMANY	4. PROJECT TITLE NUERNBERG ELEMENTARY SCHOOL

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87GA13	8. PROJECT COST ($000) $8,580

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$6,732
Elementary School	SF	99,000	$68.00	(6,732)
Supporting Facilities				1,014
Utilities	LS			(221)
Site Preparation	LS			(100)
Demolition	LS			(83)
Roads, Walks, Parking, Landscaping	LS			(204)
Communications	LS			(55)
Playgrounds and Fencing	LS			(100)
Site Improvement and Demolition	LS			(151)
Heating Plant	LS			(100)
Subtotal				7,746
Contingency (5%)				387
Total Contract Cost				8,133
Supervision, Inspection & Overhead (5.5%)				447
Total Request				$8,580

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame facility. It includes the following rooms: 5 kindergarten, 35 general purpose , art, music, host nation, 2 learning development, 2 reading, 2 speech, health, media center, 2 counselor and administrative offices, multipurpose room, cafeteria with equipped kitchen, supply room and a special education center with 4 classrooms, occupational and physical therapy, a sick room, offices, and an elevator for the handicapped. Also includes exterior lighting, painting, fire alarm, bell, and intercom.

11. REQUIREMENT: 110 Teaching Stations. Adequate: 58 Substandard: 52

Project: Provide a new elementary school to serve the Nuernberg Military Community. This project will provide an adequate school facility for 1300 students.

CURRENT SITUATION: The Nuernberg Elementary School complex is housed in 10 separate buildings at 3 different locations. Some students must use 10 inadequate prefabricated classrooms. Eight classrooms are located in a converted building shared by a mess hall and BOQ which has numerous fire and safety violations. The existing school is located on the same site as the high school where there is not adequate playground space nor any room for building expansion. The other 3 elementary schools serving the Nuernberg community also have space shortages. The North Central Association of Colleges and Schools (NCA), which accredits DoD schools, has been critical of the facilities in Nuernberg.

IMPACT IF NOT PROVIDED: The lack of an adequate school facility will result in the continuation of a substandard educational environment.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION NUERNBERG, GERMANY		
4. PROJECT TITLE NUERNBERG ELEMENTARY SCHOOL		5. PROJECT NUMBER 87GA13

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started............................ MAY 85
(b) Percent Complete as of January 1, 19 86....... 35%
(c) Percent Complete as of October 1, 19 86....... 100%
(d) Date Design Complete........................... SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........(   )
(b) All Other Design Costs........................(   )
(c) Total...(600)
(d) Contract......................................(400)
(e) In-house......................................(200)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT DEFENSE (DODDS)	FY 19_87_ MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION SCHWAEBISCH-GMUEND, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			23			442				465
b. END FY 19 91			33			500				533

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $1,640
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $1,640

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-784	Schwaebisch-Gmuend Elementary School Addition	21,220 SF	$1,640	4/85	8/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION SCHWAEBISCH-GMUEND, GERMANY	4. PROJECT TITLE SCHWAEBISCH-GMUEND ELEMENTARY SCHOOL ADDITION	

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-784	7. PROJECT NUMBER 87GA14	8. PROJECT COST ($000) $1,640

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Elementary School Addition	SF	21,220	$59.00	$1,251
Alterations and Renovation	SF	17,220	$68.00	(1,171)
	SF	4,000	$20.00	(80)
Supporting Facilities				
Utilities				229
Site Preparation	LS			(50)
Roads, Walks, Parking, Landscaping	LS			(30)
Communications	LS			(40)
Playgrounds and Fencing	LS			(20)
Site Improvement	LS			(32)
Heating Plant	LS			(25)
Subtotal	LS			(32)
Contingency (5%)				1,480
Total Contract Cost				74
Supervision, Inspection & Overhead (5.5%)				1,554
Total Request				86
				$1,640

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes 2 kindergarten classrooms, science, music, reading improvement, learning disabilities, speech, health rooms, staff lounge and restrooms, administrative offices, host nation room, storage and supply room, an equipped kitchen, teachers' workroom, a multipurpose room, and media center expansion. Also includes renovations to 7 classrooms in the existing structure.

11. REQUIREMENT: 23 Teaching Stations. Adequate: 9 Substandard: 14

Project: Provide an addition to the present elementary school for grades K-8. This project will provide an adequate school facility for 500 students.

CURRENT SITUATION: Presently, students are sharing the kindergarten classrooms, learning disabilities/reading rooms, and the host nation/speech rooms on alternating days which causes much administrative and student hardship. There is no lunch program nor a multipurpose room for physical education. More adequate teacher stations are needed. The media center is too small. The facility is severely overcrowded. The North Central Association of Colleges and Schools (NCA), which accredits DoD schools, has been critical of this substandard facility.

IMPACT IF NOT PROVIDED: If the present situation is not corrected, several NCA citations will be indicated in the NCA annual report which could deny much needed accreditation to this facility. A substandard educational environment would continue to exist.

1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION SCHWAEBISCH-GMUEND, GERMANY		
4. PROJECT TITLE SCHWAEBISCH-GMUEND ELEMENTARY SCHOOL ADDITION		5. PROJECT NUMBER 87GA14

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. APR 85
(b) Percent Complete as of January 1, 19 86....... 35%
(c) Percent Complete as of October 1, 19 86....... 100%
(d) Date Design Complete........................... AUG 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........(   )
(b) All Other Design Costs..............................(   )
(c) Total...(110)
(d) Contract...(80)
(e) In-house...(30)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

NONE

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION STUTTGART, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			52			780				832
b. END FY 1991			77			925				1002

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM $4,530
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $4,530

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-786	Stuttgart Elementary/ Junior High School Addition	80,500 SF	$4,530	4/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:

	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION STUTTGART, GERMANY	4. PROJECT TITLE STUTTGART ELEMENTARY/JUNIOR HIGH SCHOOL ADDITION

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-786	7. PROJECT NUMBER 87GA15	8. PROJECT COST ($000) $4,530

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	SF	80,500	$44.15	$3,554
Elementary/Junior High School Addition	SF	40,500	$68.00	(2,754)
Renovation of Existing Facility	SF	40,000	$20.00	(800)
Supporting Facilities				535
Utilities	LS			(107)
Site Preparation	LS			(86)
Demolition	LS			(24)
Lease/Install. of temporary classrooms	LS			(40)
Roads, Walks, Parking, Landscaping	LS			(86)
Communications	LS			(26)
Playgrounds and Fencing	LS			(53)
Site Improvement	LS			(60)
Heating Plant	LS			(53)
Subtotal				4,089
Contingency (5%)				205
Total Contract Cost				4,294
Supervision, Inspection & Overhead (5.5%)				236
Total Request				$4,530

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame addition. Project includes the following rooms: 2 general purpose, 3 kindergarten, a library, music room, art room, administrative offices, teacher workroom, 4 special education classrooms, physically handicapped and vocational training areas, staff offices, supply room, and an equipped kitchen added to the multipurpose room. Renovation work is required to convert Building 148 to 8 classrooms and to install 2 elevators, fire alarm, bell, intercom, painting and necessary tie-in and alterations to the existing structure.

11. REQUIREMENT: 45 Teaching Stations. Adequate: 27 Substandard: 18

Project: Provide an addition to the existing Stuttgart Elementary/Junior High School at Stuttgart. This project will provide an adequate school facility for 925 students. During construction, temporary classrooms must be in place while demolition is being accomplished.

CURRENT SITUATION: The school is housed in 5 buildings. The 3 existing kindergarten rooms are far below minimum size standards. The existing special education area is not connected to the main school and is inadequate in size and accessibility for handicapped students. The library is currently located in a separate building remote from most classrooms.

IMPACT IF NOT PROVIDED: The lack of an adequate school facility will result in the continuation of a substandard educational environment which hampers the day-to-day operation of the school. In particular, handicapped students will have limited participation in school programs.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION STUTTGART, GERMANY		
4. PROJECT TITLE STUTTGART ELEMENTARY/JUNIOR HIGH SCHOOL ADDITION		5. PROJECT NUMBER 87GA15

12. **SUPPLEMENTAL DATA:**

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.......................... APR 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100
(d) Date Design Complete.......................... SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........(____)
(b) All Other Design Costs..........................(____)
(c) Total..(____)
(d) Contract.......................................(280)
(e) In-house.......................................(180)
(100)

(4) Construction Start...................... APR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION WUERZBURG, GERMANY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX .96

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			40			832				872
b. END FY 19 91			65			906				971

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY........................
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $7,760
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $7,760

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-786	Wuerzburg Middle School	89,530 SF	$7,760	5/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11.	Outstanding Pollution and Safety Deficiencies:	$000
	a. Air Pollution:	0
	b. Water Pollution:	0
	c. Safety and Occupational Health:	0

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1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION WUERZBURG, GERMANY		4. PROJECT TITLE WUERZBURG MIDDLE SCHOOL	
5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-786	7. PROJECT NUMBER 87GA16	8. PROJECT COST ($000) $7,760

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Middle School				$6,088
	SF	89,530	$68.00	(6,088)
Supporting Facilities				
Utilities				917
Site Preparation	LS			(200)
Roads, Walks, Parking, Landscaping	LS			(164)
Communications	LS			(186)
Playgrounds and Fencing	LS			(45)
Site Improvement	LS			(93)
Heating Plant	LS			(136)
Subtotal	LS			(93)
Contingency (5%)				7,005
Total Contract Cost				350
Supervision, Inspection & Overhead (5.5%)				7,355
Total Request				405
				$7,760

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame facility. Project includes 33 general purpose classrooms, 2 general science rooms, 2 counselor offices, and 1 room for each of the following: art, music, host nation office, R.I.S. room, business lab, home economics, industrial arts, media center, speech, learning disabilities, health, multipurpose room, kitchen with storage, gymnasium with lockers and storage, and a supply/storage room. Also includes 3 administrative offices: business, principal's, and the assistant principal's. The exterior lighting, fire alarm, bell, intercom, and painting are included.

11. REQUIREMENT: 44 Teaching Stations. Adequate: 0 Substandard: 0

Project: Provide a centrally located middle school for grades 5-8 in the Wuerzburg Military Community. This project will provide an adequate school facility for 906 students.

CURRENT SITUATION: At present there is no middle school for military dependents in the Wuerzburg-Kitzingen community, which creates a continuous hardship of overcrowding and shifting of grade structures each year within the Wuerzburg elementary and high schools. Some elementary students are currently housed in a remote leased German facility and 9 prefabricated classroom buildings. All of the schools in this area are overcrowded and cannot accommodate any more students.

IMPACT IF NOT PROVIDED: Students will continue to use crowded, deficient facilities in a substandard working atmosphere under circumstances much less favorable than afforded children in public schools in the United States.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION WUERZBURG, GERMANY		
4. PROJECT TITLE WUERZBURG MIDDLE SCHOOL		5. PROJECT NUMBER 87GA16

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.............................. MAY 85
(b) Percent Complete as of January 1, 19 86........ 35%
(c) Percent Complete as of October 1, 19 86........ 100%
(d) Date Design Complete............................ SEP 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........(____)
(b) All Other Design Costs.........................(____)
(c) Total...(550)
(d) Contract..(360)
(e) In-house..(190)

(4) Construction Start.......................... MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION NAPLES, ITALY	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX 1.10

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			131			1605				1736
b. END FY 19 91			131			1760				1891

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM $19,590
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL $19,590

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-785	Naples Elementary and High Schools	200,000 SF	$19,590	2/85	6/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:

	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO. 237

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION NAPLES, ITALY	4. PROJECT TITLE NAPLES ELEMENTARY AND HIGH SCHOOLS

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-785	7. PROJECT NUMBER 87MN1	8. PROJECT COST ($000) $19,590

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$14,100
Elementary and High Schools	SF	200,000	$71.00	(14,100)
Supporting Facilities				3,585
Electric	LS			(493)
Water and Sanitary Sewer	LS			(477)
Heating	LS			(470)
Storm Drainage	LS			(570)
Site Improvements	LS			(664)
Roads, Parking, and Walkways	LS			(495)
Fire Protection/Communications	LS			(416)
Subtotal				17,685
Contingency (5%)				884
Total Contract Cost				18,569
Supervision, Inspection & Overhead (5.5%)				1,021
Total Request				$19,590

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct two pre-engineered, precast, reinforced concrete, masonry, or steel frame facilities. Project to include 70 general purpose classrooms, 5 science, electronics, industrial arts, human ecology, computer technology, career business, typing, medical/dental, art, and music classrooms. Child development includes 3 kindergarten and 5 preschool classrooms, learning disability, reading, and speech class/workrooms. Project also includes multipurpose room with equipped kitchen, library, counseling rooms, nurse's office, administrative office space and supply/storage area, and bell and intercom system. Athletic support needs include a school gymnasium, playing fields, track, courts, and elementary playgrounds. Also includes all utilities, exterior and security lighting, bus loading area, and landscaping.

11. REQUIREMENT: 84 Teaching Stations. Adequate: 0 Substandard: 0

Project: Provide a new elementary and a new high school for Kindergarten through grade 12 for 1760 students.

CURRENT SITUATION: Construction of elementary and high school facilities are needed at this installation to replace the present leased facilities due to their high lease costs and physical security deficiencies. The continual low-level seismic activity in the Pozzuoli area, where the schools are currently located, poses a potential threat to the safety of teachers and students.

IMPACT IF NOT PROVIDED: If not provided, the continued use of unsafe, inadequate, substandard educational facilities will result in student instruction being provided under circumstances much less favorable than that afforded children in public schools in the United States.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION NAPLES, ITALY		
4. PROJECT TITLE NAPLES ELEMENTARY AND HIGH SCHOOLS		5. PROJECT NUMBER 87MN1

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started............................ FEB 85
(b) Percent Complete as of January 1, 1986........ 35%
(c) Percent Complete as of October 1, 1986........ 100%
(d) Date Design Complete........................... JUN 86

(2) Basis:

(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications........(______)
(b) All Other Design Costs.........................(______)
(c) Total...(1337)
(d) Contract......................................(807)
(e) In-house......................................(530)

(4) Construction Start........................ MAR 87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION WOENSDRECHT, NETHERLANDS	4. COMMAND DOD DEPENDENTS SCHOOLS	5. AREA CONSTR. COST INDEX 1.12

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85			--			--				--
b. END FY 19 91			38			543				581

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM $7,420
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL $7,420

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-785	Woensdrecht Elementary and High Schools	77,530 SF	$7,420	4/85	9/86

9. FUTURE PROJECTS: No additional construction projects are planned for this school within the next three years.

10. MISSION: To provide elementary and secondary education for eligible dependents of military and DoD civilian personnel stationed overseas.

11. Outstanding Pollution and Safety Deficiencies:	$000
a. Air Pollution:	0
b. Water Pollution:	0
c. Safety and Occupational Health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT DEFENSE (DODDS)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86

3. INSTALLATION AND LOCATION WOENSDRECHT, NETHERLANDS	4. PROJECT TITLE WOENSDRECHT ELEMENTARY AND HIGH SCHOOLS

5. PROGRAM ELEMENT 88715-D	6. CATEGORY CODE 730-785	7. PROJECT NUMBER 87AF3	8. PROJECT COST ($000) $7,420

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				$5,428
Elementary and High Schools	SF	77,530	$70.00	(5,428)
Supporting Facilities				1,270
Electric and Exterior Lighting	LS			(155)
Water, Sewerage, and Drainage	LS			(167)
Heating	LS			(166)
Storm Drainage	LS			(120
Site Improvements and Landscaping	LS			(200)
Roads, Parking, and Sidewalks	LS			(202)
Fire Protection/Communications	LS			(60)
Playgrounds, Sports Areas and Fields	LS			(200)
Subtotal				6,698
Contingency (5%)				335
Total Contract Cost				7,033
Supervision, Inspection & Overhead (5.5%)				387
Total Request				$7,420

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a pre-engineered, precast, reinforced concrete, masonry, or steel frame facility. The project includes the following elementary school facilities: 12 general purpose classrooms, kindergarten room, school office, and teachers' workroom. The secondary facilities include: 3 general purpose classrooms, school office, teachers' workroom, career/business, typing, science, home economics, computer technology and industrial arts rooms. Shared facilities are multipurpose room, equipped kitchen, gymnasium, media center, music, art, host nation teacher's room, learning disability, reading improvement, speech therapy, counseling, health and storage/supply space.

11. REQUIREMENT: 22 Teaching Stations. Adequate: 0 Substandard: 0

Project: Provide adequate elementary and high school facilities for students in kindergarten through grade 12. This project is required to provide adequate school facilities for a population of 543 students.

CURRENT SITUATION: Construction of an elementary and high school facility is needed at this installation to support the development of the Ground Launched Cruise Missile Base. There are no existing facilities which could be used for a school.

IMPACT IF NOT PROVIDED: The complete lack of adequate school facilities will preclude the provision of any satisfactory student education at this installation. Without this project, the Department of the Air Force anticipates some significant readiness and morale problems. Involuntary separation of service members from their families adversely affects the quality of life for military personnel serving overseas.

DD FORM DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

     ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
    SPECIFIED OUTSIDE THE UNITED STATES
              ($ THOUSANDS)
STATE/COMP./INSTALLATION                                PROJ COST       TOTAL
---------------------PROJECT NAME----------------    ----------  ----------
KWAJALEIN
  STRATEGIC DEFENSE INITIATIVE ORGANIZATION
    MISSILE RANGE
      TARGET LAUNCH COMPLEX                                 1,340
       MISSILE RANGE                                                    1,340
```

1. COMPONENT DEFENSE (SDIO)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION KWAJALEIN MISSILE RANGE	4. COMMAND STRATEGIC DEFENSE INITIATIVE ORGANIZATION	5. AREA CONSTRUCTION COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF N/A										
b. END FY 19 N/A										N/A

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	0
b. INVENTORY TOTAL AS OF	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,340
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	1,340

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
312	TARGET LAUNCH COMPLEX	LS	1,340	12-85	12-86

9. FUTURE PROJECTS:

a. Included in following program (FY88): None

b. Planned next three years: None

10. MISSION OR MAJOR FUNCTIONS: This project is required in support of the Braduskill Interceptor Concept (BIC) testing program.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSH)	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT DEFENSE (SDIO)	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** FEB 86

3. INSTALLATION AND LOCATION KWAJALEIN MISSILE RANGE (KMR)	**4. PROJECT TITLE** TARGET LAUNCH COMPLEX (BIC), OMELEK ISLAND

5. PROGRAM ELEMENT 63222C	**6. CATEGORY CODE** 31220	**7. PROJECT NUMBER** T87126	**8. PROJECT COST ($000)** $1340.0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facilities				545.0
Addition to Generator Bldg (7406)	SF	174	1253.00	(218.0)
Launch Equipment Room	SF	267	224.98	(60.0)
Camera Towers	EA	3	4333.33	(13.0)
Launch Pad, Access Pad, Environmental Shelter	LS	-	-	(254.0)
Support Facilities				609.0
Electrical to Camera Towers	LS	-	-	(7.0)
Utilities	LS	-	-	(490.0)
Civil Work	LS	-	-	(112.0)
Subtotal				1154.0
Contingencies (10%)				115.0
Total Contract Cost				1269.0
Supervision/Administration (5.5%)				70.0
Total Request				1339.0
Total Rounded				1340.0

10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a target launch complex at the KMR to support the Braduskill Interceptor Concept (BIC) testing program. Project includes new foundations and pads for launcher equipment, new environmental shelter, new equipment room, air conditioning, utilities, communication and signal interconnections from the launch complex to an existing launch control building, fire protection, security system, instrumentation facilities and expansion of power plant. Facilities will be designed to meet operations security (OPSEC) criteria. Not sited in a flood plain.

11. REQUIREMENT: 1 COMPLEX ADEQUATE: 0 SUBSTANDARD: 1 COMPLEX

PROJECT: Construction and upgrade of a missile launch complex at the KMR.

REQUIREMENT: These facilities are required in support of the BIC testing program. This proof-of-principle test will incorporate existing, off-the-shelf hardware, including solid fuel boosters, on-board computer, and guidance systems for interceptor missiles planned for launch from Meck Island. Target interceptors will be launched from the proposed Omelek complex Testing of this concept is in direct support of the Army's role in the Strategic Defense Initiative (SDI) program.

1. COMPONENT DEFENSE (SDIO)	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** FEB 86

3. INSTALLATION AND LOCATION

KWAJALEIN MISSILE RANGE

4. PROJECT TITLE

TARGET LAUNCH COMPLEX

11. REQUIREMENT (Continued):

CURRENT SITUATION: Some support facilities exist at the proposed site and will be utilized to the maximum extent possible. However, modifications to existing facilities and construction of new facilities will be required for this unique interceptor concept.

IMPACT IF NOT PROVIDED: If this project is not approved, the BIC proof-of-principle cannot be accomplished against live targets, thereby compromising the degree of confidence required for possible application of the subsystem in a strategic environment.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started. 12-85
(b) Percent Complete as of January 1986. . . . . ____
(c) Percent Complete as of October 1986. 90
(d) Date design Complete 12-86

(2) Basis:
(a) Standard or Definitive Design Yes ____ No ____
(b) Where Design Was Most Recently Used ________

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . ____
(b) All Other Design Costs 116
(c) Total. 116
(d) Contract . . . . ____
(e) In-house 2-87

b. Equipment associated with this project which will be provided from other appropriations: RDT&E

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES   DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
DEFENSE LOGISTICS AGENCY		
DEF REUTILIZATION & MARKETING OFC BITBURG		
COVERED STORAGE	650	
DEF REUTILIZATION & MARKETING OFC BITBURG		650
JAPAN		
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT CHIMU WAN OKINAWA		
FUEL TANKAGE	6,640	
DEF FUEL SUPPORT POINT CHIMU WAN OKINAWA		6,640
DEF FUEL SUPPORT POINT TSURUMI		
FUEL TANKAGE	3,520	
DEF FUEL SUPPORT POINT TSURUMI		3,520
**DEFENSE LOGISTICS AGENCY		10,160
KOREA		
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT TOEGYEWON		
FUEL TANKAGE	1,010	
DEF FUEL SUPPORT POINT TOEGYEWON		1,010
DEF REUTILIZATION & MARKETING OFC BUPYONG		
COVERED STORAGE	1,290	
DEF REUTILIZATION & MARKETING OFC BUPYONG		1,290
**DEFENSE LOGISTICS AGENCY		2,300

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT CHIMU WAN, OKINAWA, JAPAN	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX 1.07

6. PERSONNEL STRENGTH. N/A	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENANT OF THE ARMY
b. INVENTORY TOTAL AS OF 30 SEP 85 ....
c. AUTHORIZATION NOT YET IN INVENTORY 0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 6,640
f. PLANNED IN NEXT THREE PROGRAM YEARS 9,600
g. REMAINING DEFICIENCY 0
h. GRAND TOTAL 0
16,240

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411	Fuel Tankage	200,000BL	6,640	4-85	1-86

9. FUTURE PROJECTS:

a. Included in following program (FY 88):

411	Fuel Tankage Plant	200,000BL	9,600

b. Planned next three years:

NONE.

10. MISSION OR MAJOR FUNCTIONS:

The Petroleum Distribution System, Okinawa (PDSO) is responsible for providing logistical support of Defense Logistics Agency (DLA) owned bulk petroleum to all U.S. Forces and Department of Defense authorized agencies on Okinawa.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a.	Air Pollution	0
b.	Water Pollution	0
c.	Occupational Safety and Health (OSHA)	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS ARE OBSOLETE

1 COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT, CHIMU WAN OKINAWA, JAPAN	4 PROJECT TITLE FUEL TANKAGE

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
71111S	411	NA	6,640

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				4,164
UNDERGROUND STORAGE TANK	BL	200,000	20.82	(4,164)
SUPPORTING FACILITIES				1,830
SITE PREPARATION	LS	-	-	(560)
PETROLEUM LINES	LS	-	-	(350)
FIRE PROTECTION SYSTEM	LS	-	-	(500)
TV MONITORING SYSTEM	LS	-	-	(130)
CATHODIC PROTECTION SYSTEM	LS	-	-	(240)
ELECTRICAL DISTRIBUTION	LS	-	-	(30)
ACCESS ROAD	LS	-	-	(20)
SUBTOTAL				5,994
CONTINGENCY (5%)				300
TOTAL CONTRACT COST				6,294
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				346
TOTAL REQUEST				6,640

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Construct one new 200,000 barrel underground steel lined storage tank complete with required POL distribution/drain lines, fire protection, TV Monitoring System, cathodic protection, electric service, storm drainage, security fence, access road, and site improvement at Chimu Wan Tank Farm No. 1.

11. REQUIREMENT: Classified

PROJECT: Provides 200,000 barrels (BL) fuel storage capacity in one 200,000 BL underground tank for JP-4.

REQUIREMENT: Adequate liquid fuel storage facility is required for the Petroleum Distribution System, Okinawa (PDSO) at the Chimu Wan Tank Farm No. 1. The PDSO is responsible for providing logistical support of Defense Logistics Agency owned bulk petroleum to all U.S. Forces and Department of Defense Agencies on Okinawa. The FY 87 construction is the second phase of a total requirement of 600,000 BL of fuel storage capacity. The third phase is planned for inclusion in a follow-on program designed to meet out-year fuel storage requirements.

CURRENT SITUATION: There is a serious shortage of JP-4 storage capacity. The existing jet fuel storage facilities are inadequate to satisfy operation requirements.

IMPACT IF NOT PROVIDED: Failure to provide this tankage will seriously affect the capability to support mission requirements. Precise fuel requirements at this location are classified.

1 COMPONENT
DEFENSE
(DLA)

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2 DATE
FEB 86

3 INSTALLATION AND LOCATION
DEFENSE FUEL SUPPORT POINT
CHIMU WAN, OKINAWA, JAPAN

4 PROJECT TITLE
FUEL TANKAGE

5 PROJECT NUMBER
N/A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 4-85
(b) Percent Complete as of January 1986 100
(c) Percent Complete as of October 1986 100
(d) Date Design Complete 1-86

(2) Basis:
(a) Standard or Definitive Design Yes ___ No X
(b) Where Design Was Most Recently Used FY 86 Chimu Wan

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . 283
(b) All Other Design Costs 115
(c) Total. 398
(d) Contract 283
(e) In-house 115

(4) Construction Start 10-86

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT TSURUMI, JAPAN	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX 1.02

6. PERSONNEL STRENGTH N/A	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENANT OF THE NAVY	
b. INVENTORY TOTAL AS OF 30 SEP 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,520
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	6,320

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411	Fuel Tankage	200,000BL	3,520	4-85	1-86

9. FUTURE PROJECTS:

a. Included in following program (FY 88):

151	Fuel Pier	611SY	2,800

b. Planned next three years:

NONE.

10. MISSION OR MAJOR FUNCTIONS:

DFSP Tsurumi provides approximately 6 million barrels of bulk fuel storage in support of CINCPAC Contingency plans. It also distributes petroleum products to military activities in Japan, Korea, and Okinawa as well as to MSC-chartered/USNS vessels, major elements of the U.S. SEVENTH Fleet, FIFTH Air Force and other government activities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a.	Air Pollution	0
b.	Water Pollution	0
c.	Occupational Safety and Health (OSHA)	0

DD FORM 1390 PREVIOUS EDITIONS ARE OBSOLETE

1. COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT TSURUMI, JAPAN	4. PROJECT TITLE FUEL TANKAGE

5. PROGRAM ELEMENT 71111S	6. CATEGORY CODE 411	7. PROJECT NUMBER NA	8. PROJECT COST ($000) 3,520

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				1,868
ABOVE GROUND STORAGE TANKS w/FLOATING PAN	BL	200,000	9.34	(1,868)
SUPPORTING FACILITIES				1,310
PETROLEUM PIPING	LS	-	-	(300)
FIRE PROTECTION	LS	-	-	(200)
CATHODIC PROTECTION	LS	-	-	(100)
ELECTRICAL WORK	LS	-	-	(25)
OIL-WATER SEPARATOR	LS	-	-	(100)
SITE IMPROVEMENT	LS	-	-	(400)
ACCESS ROAD	SY	3,400	14.71	(50)
UTILITY RELOCATION	LS	-	-	(30)
EARTH DIKES & MEMBRANE	LS	-	-	(105)
SUBTOTAL				3,178
CONTINGENCY (5%)				159
SUBTOTAL				3,337
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				183
TOTAL REQUEST				3,520

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct two 100,000 BL above ground welded steel storage tanks with floating pan complete with piping, fire protection, cathodic protection, oil-water separator, storm drainage, access road, membrane lined earth diked enclosure and site improvement.

11. REQUIREMENT: Classified

PROJECT: Provides 200,000 barrels (BL) of liquid fuel storage capacity in two above ground tanks.

REQUIREMENT: There is a need to provide an adequate fuel storage facility for JP-4 fuel to meet current and operating requirements in support of the terminal mission. This project will replace a 200,000 BL tank which was destroyed by fire at the Koshiba Fuel Terminal.

CURRENT SITUATION: DFSP, Tsurumi provides bulk fuel storage in support of Commander-in-Chief, Pacific Contingency plans. It also distributes petroleum products to military activities in Japan, Korea, and Okinawa as well as to Military Sealift Command/U.S. Navy vessels, major elements of the U.S. SEVENTH Fleet, FIFTH Air Force and other government activities.

IMPACT IF NOT PROVIDED: Without the storage capacity provided by this project the terminal will not be able to support mission requirements. The loss of this tank reduced storage capacity at the Koshiba Terminal by 8 percent. Precise fuel requirements at this location are classified.

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT TSURUMI, JAPAN		
4. PROJECT TITLE FUEL TANKAGE		5. PROJECT NUMBER N/A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 4-85
(b) Percent Complete as of January 1986 100
(c) Percent Complete as of October 1986 100
(d) Date Design Complete 1-86

(2) Basis:
(a) Standard or Definitive Design Yes X No ___
(b) Where Design Was Most Recently Used FY 85 Whittier & Roosevelt Roads

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . 157
(b) All Other Design Costs 64
(c) Total. 221
(d) Contract 157
(e) In-house 64

(4) Construction Start 10-86

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT TOEGYEWON, REPUBLIC OF KOREA	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX 0.91

6. PERSONNEL STRENGTH: N/A	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENANT OF THE ARMY	
b. INVENTORY TOTAL AS OF 30 SEP 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,010
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	1,010

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	*COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411	Fuel Tankage	20,000BL	1,010	4-85	1-86

9. FUTURE PROJECTS:

a. Included in following program (FY 88):

NONE.

b. Planned next three years:

NONE.

10. MISSION OR MAJOR FUNCTIONS:

DFSP, Toegyewon functions as a base terminal of the Second Quartermaster Group in Korea to receive, store and issue bulk petroleum (POL) product into the Trans-Korea pipeline.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSHA)	0

1. COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT, TOEGYEWON REPUBLIC OF KOREA	4. PROJECT TITLE FUEL STORAGE

5. PROGRAM ELEMENT 71111S	6. CATEGORY CODE 411	7. PROJECT NUMBER NA	8. PROJECT COST ($000) 1,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				694
FUEL STORAGE TANK (20,000 BL)	BL	20,000	34.70	(694)
SUPPORTING FACILITIES				217
CATHODIC PROTECTION	LS	-	-	(20)
SITE IMPROVEMENT	LS	-	-	(50)
ELECTRICAL	LS	-	-	(25)
MECHANICAL	LS	-	-	(102)
SAFE LEVEL ALARM/SHUTDOWN SYSTEM	LS	-	-	(20)
SUBTOTAL				911
CONTINGENCY (5%)				46
TOTAL CONTRACT COST				957
INSPECTION, SUPERVISION & OVERHEAD (5.5%)				53
TOTAL REQUEST				1,010

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct one 20,000 BL concrete hardened, coated underground steel lined fuel storage tank to include transfer pumps, safe level alarm/shutdown system, appurtenant (5' deep) underground piping valves, fittings, product recovery system, cathodic protection, electrical wiring, drainage site preparation and calibration.

11. REQUIREMENT: Classified

PROJECT: Provides 20,000 barrels (BL) of liquid fuel storage capacity in one steel lined concrete underground tank.

REQUIREMENT: Adequate liquid fuel storage facility isrequired for the 2nd Quartermaster Group, (Petroleum), Korea at the Toegyewon terminal in support of peacetime/wartime emergency mission. Due to the restructuring of U.S. Forces in Korea, it is necessary for the terminal to additionally store MOGAS.

CURRENT SITUATION: Presently, the terminal only has the capability to store JP-4 and Diesel fuel. There is no MOGAS storage tankage at Toegyewon. This project will satisfy part of the significant shortfall in both current and future Petroleum Oil Liquid storage requirements at Toegyewon in support of U.S. contingency plans.

IMPACT IF NOT PROVIDED: Failure to provide this tankage will seriously affect the capability to support mission requirements. There will be a shortfall of 20,000 BL of MOGAS necessary to support Northern U.S. Forces-Korea in the event of mobilization. Precise fuel requirements at this location are classified.

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPORT POINT TOEGYEWON, REPUBLIC OF KOREA		
4. PROJECT TITLE FUEL TANKAGE		5. PROJECT NUMBER N/A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started 4-85
- (b) Percent Complete as of January 1986 100
- (c) Percent Complete as of October 1986 100
- (d) Date Design Complete 1-86

(2) Basis:
- (a) Standard or Definitive Design Yes X No
- (b) Where Design Was Most Recently Used FY 86 Uijongbu, ROK

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications . . . 43
- (b) All Other Design Costs 17
- (c) Total. 60
- (d) Contract 0
- (e) In-house 60

(4) Construction Start 3-87

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT DEFENSE (DLA)	**FY 19 87 MILITARY CONSTRUCTION PROGRAM**	2. DATE FEB 86
3. INSTALLATION AND LOCATION DEFENSE REUTILIZATION & MARKETING OFFICE, BUPYONG, REPUBLIC OF KOREA	4. COMMAND DEFENSE LOGISTICS AGENCY	5. AREA CONSTR COST INDEX 0.91

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 85	0	8	36	0	0	0	0	0	0	44
b. END FY 19 91	0	8	36	0	0	0	0	0	0	44

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE TENANT OF THE ARMY	
b. INVENTORY TOTAL AS OF 30 SEP 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,290
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	1,290

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442	Covered Storage	35,000SF	1,290	4-85	4-86

9. FUTURE PROJECTS:

a. Included in following program (FY 88):

NONE.

b. Planned next three years:

NONE.

10. MISSION OR MAJOR FUNCTIONS:

Performs Reutilization and Marketing Service operations including the receipt, control, warehousing and preparation of excess and surplus personal property for reutilization, donation, sale or other disposition.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

a. Air Pollution	0
b. Water Pollution	0
c. Occupational Safety and Health (OSHA)	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS ARE OBSOLETE PAGE NO

1 COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION DEFENSE REUTILIZATION AND MARKETING OFFICE, BUPYONG, REPUBLIC OF KOREA	4 PROJECT TITLE COVERED STORAGE

5 PROGRAM ELEMENT 78012S	6 CATEGORY CODE 442	7 PROJECT NUMBER N/A	8 PROJECT COST ($000) 1,290

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FACILITIES				
GENERAL PURPOSE WAREHOUSE	SF	35,000	24.20	847
OFFICE AND BREAK ROOM	SF	34,555	24.02	(830)
	SF	445	38.2	(17)
SUPPORTING FACILITIES				
SITE PREPARATION				318
UTILITIES	LS	-	-	(40)
PAVEMENT	LS	-	-	(50)
FENCING	LS	-	-	(140)
DEMOLITION	LF	520	15.38	(8)
TOTAL COST				(80)
CONTINGENCY (5%)				1,165
ESTIMATED CONTRACT COST				58
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				1,223
TOTAL PROJECT COST				67
TOTAL PROJECT COST (ROUNDED)				1,290
				1,290

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a 35,000 SF non-combustible warehouse building to include a security cage, 445 SF office and break area. This work includes heat, restroom, fire protection, electrical, mechanical systems, pavements and open storage areas. Demolish Buildings 1931, 1942, 1943, 1955 and 1957. Provide all utilities for the new facility.

11. REQUIREMENT: 35,000SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Provides for consolidation of the open and covered storage area and a centralized administrative and receiving operation.

REQUIREMENT: There is a need to consolidate the DRMO operation as well as provide adequate facilities to conform with Department of Defense construction criteria standards.

CURRENT SITUATION: The existing five temporary constructed warehouses have deteriorated beyond economical repair and will be demolished. Materials such as electronic and communication equipment are being stored in open shed areas resulting in deterioration and loss in sales revenue.

IMPACT IF NOT PROVIDED: The use of present facilities will result in continuing safety hazards, inefficiencies, and continued damage to property which reduces utilization and proceeds from sales.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS ARE OBSOLETE PAGE NO

1. COMPONENT DEFENSE (DLA)	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION
DEFENSE REUTILIZATION AND MARKETING OFFICE
BUPYONG, REPUBLIC OF KOREA

4. PROJECT TITLE
COVERED STORAGE

5. PROJECT NUMBER
N/A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 4-85
(b) Percent Complete as of January 1986 50
(c) Percent Complete as of October 1986 100
(d) Date Design Complete 4-86

(2) Basis:
(a) Standard or Definitive Design Yes ___ No X
(b) Where Design Was Most Recently Used NA

(3) Total Cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications . . . 58
(b) All Other Design Costs 24
(c) Total. 82
(d) Contract 58
(e) In-house 24

(4) Construction Start 3-87

b. Equipment associated with this project which will be provided from other appropriations: None.

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION --------------------PROJECT NAME----------------	PROJ COST	TOTAL
GERMANY		
DEFENSE LEVEL ACTIVITIES		
GRAFENWOEHR		
DISPENSARY AND DENTAL CLINIC	3,950	
BOEBLINGEN		
DISPENSARY AND DENTAL CLINIC		
BOEBLINGEN	3,650	3,650
KARLSRUHE		
DISPENSARY AND DENTAL CLINIC		
KARLSRUHE	6,800	6,800
VILSECK		
DISPENSARY AND DENTAL CLINIC		
VILSECK	5,600	5,600
ITALY		
DEFENSE LEVEL ACTIVITIES		
NAPLES		
REPLACEMENT HOSPITAL	29,300	
KOREA		
DEFENSE LEVEL ACTIVITIES		
CAMP EDWARDS		
HEALTH/DENTAL CLINIC		
CAMP EDWARDS	1,800	1,800
CAMP LONG		
DISPENSARY/DENTAL CLINIC		
CAMP LONG	1,850	1,850
CAMP PELHAM		
TROOP AID STATION		
CAMP PELHAM	720	720
NETHERLANDS		
DEFENSE LEVEL ACTIVITIES		
CAMP NEW AMSTERDAM		
CLINIC/DENTAL CLINIC		
CAMP NEW AMSTERDAM	6,000	6,000

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86
3. INSTALLATION AND LOCATION Germany Various Germany	4. COMMAND US ARMY EUROPE AND SEVENTH ARMY	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA (0000)

A. TOTAL ACREAGE.......... 0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85.................................... 0
C. AUTHORIZATION NOT YET IN INVENTORY.................................... 0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM.................................... 402,680
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.................................... 456,657
F. PLANNED IN NEXT THREE YEARS.................................... 2,116,165
G. REMAINING DEFICIENCY.................................... 0
H. GRAND TOTAL.................................... 2,975 502

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST (0000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214	34	FAC MOD PH3 SCHWEINFURT	16,000	06/85	08/86
170	391	MOUT RANGE HOHENFELS	2,800	09/84	12/85
214	846	FAC MOD-NEUREUT	10,000	05/85	08/86
740	1090	COMMISSARY SALES-VILSECK	7,300	07/85	10/86
724	1093	BOQ-VILSECK	6,050	06/85	08/86
214	1127	TACT EQUIP SHOP HANAU	3,700	07/84	01/86
740	1160	CHILD CARE CENTER-HANAU	1,050	04/85	04/86
831	1169	SEWER/POLSEP-BAUMHOLDER	2,050	11/84	06/86
740	1229	COMMUNITY FAC-RHEINBERG	4,900	04/85	01/87
310	1293	PETRO LAB ADDN KAISERSLA	1,400	05/85	07/86
721	1309	BARRACKS BIEGELSBACH	2,100	08/85	06/86
131	1332	WWMCCIDPCE BLDG-BAUM	10,000	03/85	08/86
721	1327	BARRACKS W/OPS-BITBURG	13,800	04/85	09/86
214	1336	TACT EQUIP SHOP-BITBURG	1,300	04/85	09/86
214	1350	FAC MOD PH3-HANAU	11,000	07/85	08/86
821	1349	HEAT PLANT-BITBURG	3,550	04/85	09/86
722	1348	DINING FACILITY BITBURG	1,850	04/85	09/86
141	1355	USACIL MOD/ADDN FRANKFURT	3,500	04/85	08/86
179	1352	RANGE COMPLX- LAMPER	2,450	08/85	09/86
214	1375	FAC MOD-ANDERSON	10,200	05/85	09/86
214	1378	FAC MOD PH IV-CONN	8,500	08/85	09/86
740	1383	CHILD CARE CTR-SMITH BKS	2,000	06/85	06/86
721	1381	BARRACKS-NURNBERG	5,500	06/85	07/86
214	1387	FAC MOD-BAMBERG	10,000	05/85	12/86
214	1386	MAINT FAC-ASCHAFFENBG	3,350	05/85	07/86
852	1385	HARDSTAND ORG-HANAU	2,500	07/85	05/86
171	1399	UNIT MOVER TRNG COMPLEX	8,800	04/85	08/86
730	1400	CHAPEL/REL FAC-VILSECK	3,650	04/85	.08/86
214	1422	FAC MOD-PHIV-SMITH BKS	12,600	03/85	08/86
214	1426	FAC MOD-GEN-SECY BKS	16,000	03/85	04/86
740	1451	CHILD CARE CENTER	1,800	08/85	08/86

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION: Germany Various Germany

8. PROJECTS REQUESTED IN THIS PROGRAM: (...CONTINUE)

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
852	2010	HARDSTAND FIGRI	3,650	05/85	05/86
214	2028	TACT EQUIP SHOP WILEY	4,200	12/84	04/86
421	2106	AMMO IGLOOS-ASP 4-BAUMHOLDR	4,400	03/85	10/86
211	2132	ACFT MAINT HANGAR-BUDINGEN	7,100	01/85	07/86
123	2186	FUEL STATION KIRCHGOENS	3,500	10/84	08/86
730	2236	POST OFFICE-VILSECK	1,300	05/85	08/86
214	2241	TACT EQUIP SHOP-GERMEN	3,000	05/84	10/85
730	2238	POLICE STATION VILSECK	1,020	04/85	08/86
214	2288	TACT EQUIP SHOP-CONN BKS	13,600	07/84	06/86
721	2297	BARRACKS W/DIN-RHEINBERG	14,800	04/85	02/87
141	2296	OPNS BLDG TOPO SCHWETZGEN	1,800	05/84	10/85
214	2301	TACT EQUIP SHP	6,700	08/85	05/87
721	2306	BARRACKS W/OPS-VILSECK	6,000	05/85	08/86
890	2305	UTILITY PACKAGE VILSECK	36,000	05/85	11/86
610	2303	ADMIN SPACE ALTEN-RHNBRG	7,350	04/85	01/87
740	1476	EXCHANGE MAIN RETAIL	8,000	07/85	10/86
722	1475	DINING FACILITY-GIESSEN	2,100	07/85	09/86
171	1543	FLIGHT SIMUL BLDG-HANAU	3,700	10/85	10/86
171	1552	MAINT TRNG FAC VARIOUS	1,850	07/85	05/86
141	1577	PERSHING SITE II UPGRADES	10,000	09/85	04/86
141	1576	PERSHING SITE II UPGRADES	3,050	11/85	08/86
141	1575	PERSHING SITE II UPGRADES	1,050	11/85	06/86
141	1579	[illegible] VAR LOC	17,500	00/00	00/00
141	1583	SITE SAFETY/SECUR.-VAR LOC	17,000	09/85	04/86
171	1582	TRNG EXERCISE FAC-KALB	4,750	09/84	02/85
214	1592	RECYC WASHRACK-WILDF-PIF	3,000	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	391,850		
740	369	CHILD CARE CTR-DONNS	1,000	05/85	06/86
740	1133	CHILD CARE CTR RHEINBERG	930	04/85	09/86
832	1367	SEWER SYS UPG-STUTTGART	820	04/85	07/86
740	1313	CHILD CARE CTR-WUERZBURG	1,000	05/85	06/86
740	1322	CHILD CARE CTR ASCH-AFFEN	900	04/85	07/86
422	1335	AMMO STORAGE-BITBURG	520	04/85	09/86
421	1356	RELOCATE AMMO AREA VILSECK	920	05/85	06/86
852	1420	FAC MOD PHIII-RIVERS BKS	970	05/85	05/86
421	2152	AMMO STORAGE - CRAILSHEIM	860	03/85	05/86
131	2298	COMM CTR CONV-RHEINBERG	480	04/85	11/85
610	2299	DATA PROC BLDG-RHNBRG	680	04/85	11/86
740	1360	CHILD CARE CTR-CRAILSHEIM	930	01/85	12/85
740	1331	CHILD CATE CTR-BAD KREUZ	900	10/84	10/85
		SUBTOTAL PROJECTS $1M & LESS	10,930		
		TOTAL	402,880		

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD 1 FORM DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION: Germany Various Germany

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
214	FAC MOD PH II-MANN/SULL	9,600
411	UG POL FAC LUDWIGSBURG	6,621
740	COMMUNITY CENTER-VILSECK	3,300
730	CHAPEL-MIESAU	1,633
411	POL STORAGE VILSECK	3,136
422	AMMO STORAGE-VILSECK	3,145
740	COMMUNITY CENTER-FULDA	2,250
218	BATTERY SHOP-GARMERSHM	2,050
214	TACT EQUIP SHOP-VILSECK	1,150
216	AMMO SURV-MUENSTER	4,496
214	FAC MOD II-MAINZ	10,800
740	PHYS FIT CTR SCHWAB GMD	1,380
214	FAC MOD 6 NUERNBERG	9,420
214	TACT EQUIP SHOP-HOHFLS	1,830
214	TACT EQUIP SHOP-GIESSEN	4,420
214	VEH MAINT FAC/MSTD-BAYRTH	1,100
211	CBT AVN COMPLX II WIESBDN	19,413
219	DEN FACILITY 7ATC	8,900
721	BARRACKS W/DINING BAMBERG	6,700
214	TACT EQUIP SHOP-VILSECK	5,537
211	UNIT MAINT HGR-WIESBADEN	8,506
721	BARRACKS COMPLEX-FULDA	5,544
422	CL I STG FAC-GRAFWHR	6,655
721	BARRACKS HARVEY-WTZBRG	11,000
214	TACT EQ SHOP ORG-WIESBADEN	1,423
218	TACT EQ SHOP-WEISBADEN	3,150
218	TACT EQUIP SHOP-WEISBADEN	1,430
852	HARDSTAND - WIESBADEN	1,414
113	EXPAND HELIPORT-LANDSTUHL	2,240
211	COMBAT AV COMP-SCHWAEBISCH	16,144
721	FIELD BIVOUAC FACS-WILDFLK	5,002
411	POL OPN STG-SICKELS	1,305
141	BN HQ-CRAILSHEIM	1,350
214	FAC MOD PH II-KITZ/LARSON	9,500
422	AMMUNITION STGE MUENSTER	1,961
550	DISP/DENTAL-RHEINBERG	3,400
214	TACT EQUIP SHOP-VILSECK	13,421
141	BN HQ - WUERZBURG	1,194
740	MULTI PURP AUDITORIUM 7ATC	3,697
179	PLT SUBCAL/MANU RG-TENNENL	3,371
141	OPERATIONS CTR (HARDENED)	3,114

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION: Germany Various Germany

9. FUTURE PROJECTS: (...CONTINUE)

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
610	OPER BLDG VILSECK	
722	DINING FACILITY-VILSECK	5,195
214	WASHRACK	1,650
422	IGLOO STORAGE ADDN-SCHWEIN	3,500
141	PERSHING SITE II UPGRADES	1,164
179	TCPC RANGE - FRIEDBURG	1,100
141	PERSHING SITE II UPGRADES	1,240
721	BARRACKS - 7ATC	4,600
214	FAC MOD III-COLEMAN	9,677
852	HARDSTAND(FSB)-COLEMAN	23,000
442	LOG WHSE & FACS	8,000
721	BARRACKS CAMP MAY	1,300
214	MAINT FAC-DALEY	1,750
852	HARDSTAND-WILDFLEC	10,000
852	HARDSTAND	9,401
214	TACT SHOP-BAUMHOLDER	1,153
214	FAC MOD PHIV-BAMBERG	9,917
852	HARDSTANDS-MUENSTER	21,310
852	FAC MOD PH II-RHEINLAND	2,657
852	HARDSTAND-HANAU	7,726
219	FAC ENGR SHP MOD-REICHEL	4,020
141	READY BLDG CP REED	3,000
214	TACTICAL EQUIPMENT SHOP	1,700
214	VEH MAINT SHOP-TWISTEDEN	13,385
721	BARRACKS W/A&S	1,716
800	OPFOR UTIL SUPP (MAINHOF)	9,653
800	OPFOR UTIL SUPP (POELLN)	14,026
216	AMMUNITION RENOV SHOP	2,625
214	FAC MOD-AYERS	3,761
214	TAC EQUIP SHOP-GIESSEN	17,056
214	VEH MAINT SHOP ORG RAY	11,920
214	VEH MAINT SHOP ORG-HARVEY	7,476
452	HARDSTAND DAENNER	6,000
214	MAINT FAC-READY	1,133
722	OPFOR DINING FAC HOHENFELS	8,084
214	FAC MOD PH I -LUDWIG	3,050
	SUBTOTAL PROJECTS OVER $3M	10,200
		445,292
179	INF PLT BTL CRS GRAFWOHR	
141	BN HQ & CLSRM-VILSECK	922
800	EMCS-HOHENFELS	997
740	BANK	810
141	BN HQ ADDN-VILSECK	201
722	CO ADMIN & SUPPLY-VILSECK	703
		484

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION: Germany Various Germany

9. FUTURE PROJECTS: (... CONTINUE)

CATEGORY CODE	PROJECT TITLE	COST ($000)
a. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
740	ARMY CONT EDUCATION CTR	640
740	LIBRARY TATC	860
610	FINANCE CTR TATC	720
740	CHILD CARE CTR NUERNBERG E	930
141	PERSHING SITE II UPGRADES	950
422	AMMO STORAGE-CP GATES	510
740	MIL CLOTHING SALES	830
740	CHILD CARE CTR AUGS-COMM	285
740	CHILD CARE CTR-MLE VILLAGE	970
	SUBTOTAL PROJECTS $1M & LESS	11,385
	TOTAL	436,037

10. MISSION OR MAJOR FUNCTIONS:

Support of US Army, Europe and Seventh Army.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	300,000
B. WATER POLLUTION	250,000
C. OCCUPATIONAL SAFETY AND HEALTH	70,000

DD FORM 1 DEC 76 DD1390C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 JAN 86

3. INSTALLATION AND LOCATION Grafenwoehr Training Area Grafenwoehr, Germany	4. PROJECT TITLE Dispensary with Beds

5. PROGRAM ELEMENT 87711A	6. CATEGORY CODE 550	7. PROJECT NUMBER 2225	8. PROJECT COST ($000) Auth 3,950 Approp 3,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				
Dispensary w/Beds				2,380
Ambulance Garage	SF	16,708	135.36	(2,262)
Heliped	SF	1,076	60.90	(66)
	LS	-	-	(52)
Supporting Facilities				
Electric Service				865
Water, Sewer & Gas	LS	-	-	(179)
Steam, Chilled Water & Heat Distribution	LS	-	-	(45)
Paving, Walks, Curbs & Gutters	LS	-	-	(129)
Site Improvement	LS	-	-	(356)
Communication	LS	-	-	(40)
Waste Storage	LS	-	-	(90)
	LS	-	-	(18)
Subtotal				
Contingency (5.00%)				3,245
Total Contract Cost				162
Supervision, Inspection & Overhead (5.50%)				3,407
Category 'E' Equipment				187
Total Request				332
Total Request (Rounded)				3,926
Installed Equipment - Other Appropriations				3,950
				(335)

10. Description of Proposed Construction Construct a dispensary with beds, laboratory, examination and treatment rooms, x-ray, pharmacy, administrative and service support areas. Provide five (5) holding beds for 24-hour patient care and observation. Support facilities include parking areas, access road, ambulance garage, heliped lighting, traffic signal system, utilities, communications, site improvements and landscaping. Heat to be provided from the central heat plant. Air conditioning in specific areas to be provided by self-contained unit. Accessibility for the handicapped will be provided. An existing parking lot will have to be relocated. Provide an operational concept manual.

11. REQUIREMENT: 17,784 SF ADEQUATE: None SUBSTANDARD: 4,590 SF

PROJECT: Construction of a Dispensary Clinic with Beds at East Camp Grafenwoehr.

REQUIREMENT: This project is required to provide a complete and modern health care facility for assigned military personnel, civilians, and family members, and provide emergency care to training troops.

CURRENT SITUATION: The existing health clinic was built in 1911. It is entirely too small to service the community, and due to changes and advances in health care delivery, the configuration of the existing building renders it totally inadequate for modern health care. The existing facility does not

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 JAN 86
3. INSTALLATION AND LOCATION Grafenwoehr Training Area, Grafenwoehr, Germany		
4. PROJECT TITLE Dispensary with Beds		5. PROJECT NUMBER 2225

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
meet current safety and health standards.

IMPACT IF NOT PROVIDED: If this project is not provided, the dispensary will continue to provide medical services from an inadequate facility with detrimental effects on the health, welfare and morale of the military personnel served and clinic staff. Failure to fund this project will greatly hinder the provision of quality health care to the community.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... NOV 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ___

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 80
(b) All Other Design Costs 613
(c) Total Cost 693
(d) Contract 608
(e) In-house 85

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

DD 1 FORM DEC 76 DD1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86
3.INSTALLATION AND LOCATION Panzer Kaserne Stuttgart, Germany	4.PROJECT TITLE Dispensary/Dental Clinic	

5.PROGRAM ELEMENT 87711A	6.CATEGORY CODE 550	7.PROJECT NUMBER 1397	8.PROJECT COST ($000) Auth 3,650 Approp 3,650

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,388
Dispensary/Dental Clinic	SF	17,278	135.36	(2,339)
Ambulance Garage	SF	800	60.90	(49)
Supporting Facilities				543
Electric Service	LS	-	-	(160)
Water, Sewer & Gas	LS	-	-	(55)
Steam, Chilled Water & Heat Distribution	LS	-	-	(45)
Paving, Walks, Curbs & Gutters	LS	-	-	(115)
Site Improvement	LS	-	-	(60)
Communication	LS	-	-	(39)
Relocate Tennis Courts	LS	-	-	(61)
Subtotal				2,931
Contingency (5.00%)				147
Total Contract Cost				3,078
Supervision, Inspection & Overhead (5.50%)				169
Category 'E' Equipment				382
Total Request				3,627
Total Request (Rounded)				3,650
Installed Equipment - Other Appropriations				(444)

10.Description of Proposed Construction Construct a dispensary and dental clinic. The dental portion will include an 11-chair dental clinic. Special supporting items include an ambulance garage, air compressor, oral evacuator, and water softener. Provide transformer station with low and high voltage cables, and an operational concept manual. Tennis courts will be relocated to provide a site for construction. Accessibility for the handicapped will be provided.

11. REQUIREMENT: 18,078 SF ADEQUATE: None SUBSTANDARD: 8,000 SF

PROJECT: Construct a Dispensary/Dental Clinic.

REQUIREMENT: This project is needed to provide quality health/dental care to the military population at the Panzer Kaserne.

CURRENT SITUATION: The existing Troop Medical Clinic (TMC) is a converted school building, constructed in 1957. It has been upgraded since then by self-help methods due to shortage of maintenance funds. The dental clinic is situated in a small, inadequate area of an administrative facility co-located with the clinic. This facility is required to support a total population of 5,287. Panzer Kaserne, which will house this medical facility, is situated 30 kilometers from the nearest hospital. Transportation service is limited and most of the soldiers are unable to afford their own private transportation.

IMPACT IF NOT PROVIDED: If this project is not provided, the clinic will

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 1391

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 JAN 86
3. INSTALLATION AND LOCATION Panzer Kaserne, Stuttgart, Germany		
4. PROJECT TITLE Dispensary/Dental Clinic		5. PROJECT NUMBER 1397

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
continue to provide medical and dental services from grossly inadequate facilities, with the resulting detrimental effects on the health, welfare, and morale of the military personnel and clinic staff.
ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding nor, is it expected to be eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... NOV 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used ______________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 77
(b) All Other Design Costs 596
(c) Total Cost 673
(d) Contract 599
(e) In-house 74

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86

3.INSTALLATION AND LOCATION Karlsruhe Airfield Karlsruhe, Germany	4.PROJECT TITLE Dispensary/Dental Clinic

5.PROGRAM ELEMENT 87711A	6.CATEGORY CODE 550	7.PROJECT NUMBER 407	8.PROJECT COST ($000) Auth 6,800 Approp 6,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,323
Dispensary/Dental Clinic	SF	31,636	135.36	(4,282)
Ambulance Garage	SF	676	60.90	(41)
Supporting Facilities				1,119
Electric Service	LS	-	-	(301)
Water, Sewer & Gas	LS	-	-	(191)
Steam, Chilled Water & Heat Distribution	LS	-	-	(111)
Paving, Walks, Curbs & Gutters	LS	-	-	(418)
Site Improvement	LS	-	-	(37)
Communication	LS	-	-	(30)
Waste Storage	LS	-	-	(31)
Subtotal				5,442
Contingency (5.00%)				272
Total Contract Cost				5,714
Supervision, Inspection & Overhead (5.50%)				314
Category 'E' Equipment				734
Total Request				6,762
Total Request (Rounded)				6,800
Installed Equipment - Other Appropriations				(1,070)

10.Description of Proposed Construction Construct a community dispensary and dental clinic complete with laboratory, examination and treatment rooms, 17 dental operatories, x-ray, pharmacy, administrative and service support areas. Provide an electrical transformer station with high and low voltage cables, mechanical services, access, parking areas, exterior lighting, paving, walks, curbs, gutters, site work, storm drainage, required utility services, communications, and an operational concept manual. Necessary interim facilities will be provided. The new facilities will be connected to the existing district heat distribution system. Energy conservation system is included. Project includes the relocation and extension of existing power cables with distribution cabinets, which are located on the project site.

11. REQUIREMENT: 32,312 SF ADEQUATE: 7,570 SF SUBSTANDARD: 29,204 SF

PROJECT: Construct a community dispensary and dental clinic.

REQUIREMENT: This project is required to provide adequate medical and dental care facilities for military personnel and their families.".

CURRENT SITUATION: Health care is provided in two separate facilities at Gerszewski Barracks, and at Smiley Barracks. Because of their separation and poor physical conditions and layouts, medical care is provided inefficiently. Laboratory, pharmacy, x-ray and other support services and staffs must be

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86
3.INSTALLATION AND LOCATION Karlsruhe Airfield, Karlsruhe, Germany		
4.PROJECT TITLE Dispensary/Dental Clinic		5.PROJECT NUMBER 407

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
duplicated. Present layout and room size do not permit a smooth flow of work, nor provide enough operational space to enhance performance of the staff's mission. The present facilities were built in the late 1930s and were converted to medical use in the late 1940s. Renovation of the present structures is not economical because of their physical condition and it would not eliminate the duplication of services. All facilities do not meet current health and safety standards. Dental care is provided at the Neureut Kaserne Clinic, which is not of sufficient size, layout or condition to provide adequate care.

IMPACT IF NOT PROVIDED: If this project is not provided, medical and dental services will continue to be provided from grossly inadequate facilities, with detrimental effects on the health, welfare and morale of the military personnel, their families and the clinic staff.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
- A. Estimated Design Data:
  - (1) Status:
    - (a) Date Design Started .... NOV 85
    - (b) Percent Complete As Of January 1986 35
    - (c) Percent Complete As Of October 1986 100
    - (d) Date Design Complete .... JUL 86
  - (2) Basis:
    - (a) Standard or Definitive Design - Yes ___ No X
    - (b) Where Design Was Most Recently Used ________
  - (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    - (a) Production of Plans and Specifications 118
    - (b) All Other Design Costs 625
    - (c) Total Cost 743
    - (d) Contract 603
    - (e) In-house 140
  - (4) Construction Start .... JAN 87
    month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD 1 FORM DEC 76 DD1391C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 JAN 86
3. INSTALLATION AND LOCATION South Camp Vilseck Vilseck, Germany	4. PROJECT TITLE Dispensary/Dental Clinic	

5. PROGRAM ELEMENT 87711A	6. CATEGORY CODE 550	7. PROJECT NUMBER 412	8. PROJECT COST ($000) Auth 5,600 Approp 5,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3.652
Dispensary/Dental Clinic	SF	26.610	135.36	(3.602)
Ambulance Garage	SF	820	60.90	(50)
Supporting Facilities				834
Electric Service	LS	-	-	(155)
Water, Sewer & Gas	LS	-	-	(101)
Paving, Walks, Curbs & Gutters	LS	-	-	(412)
Storm Drainage	LS	-	-	(37)
Site Improvement	LS	-	-	(80)
Communication	LS	-	-	(37)
Waste Storage	LS	-	-	(12)
Subtotal				4.486
Contingency (5.00%)				224
Total Contract Cost				4.710
Supervision, Inspection & Overhead (5.50%)				259
Category 'E' Equipment				600
Total Request				5.569
Total Request (Rounded)				5.600
Installed Equipment - Other Appropriations				(938)

10. Description of Proposed Construction Construct a separate dispensary and a dental clinic (10 Dental Chairs) complete with laboratory, examination and treatment rooms, x-ray, pharmacy, and administrative and service support areas. Provide a connection to the existing district heat distribution systems, provide mechanical ventilation system, and an operational concept manual. Support facilities include all utilities, parking, paving, walks, curbs, gutters, site work, ambulance garage, storm drainage, and medical telecommunications systems. An energy conservation system will be included.

11. REQUIREMENT: 27,430 SF ADEQUATE: None SUBSTANDARD: 7,456 SF

PROJECT: Construct a dispensary and a dental clinic.

REQUIREMENT: This project is required to provide a complete and modern health care facility for the expected increase in population under the Force Modernization program. Disposal action will involve conversion of existing assets to non-medical facilities.

CURRENT SITUATION: The present building is not suitable as a medical facility. It consists of a permanent building (Building 301) with a semi-permanent addition (Building 301A) made from corrugated metal. There is a severe shortage of space for medical equipment, records, staff and patients. There are no dental facilities.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD 1 FORM DEC 76 DD1391

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 JAN 86
3. INSTALLATION AND LOCATION South Camp Vilseck, Vilseck, Germany		
4. PROJECT TITLE Dispensary/Dental Clinic		5. PROJECT NUMBER 412

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: If this project is not provided, the present grossly inadequate clinic will continue to provide medical services with the resulting detrimental effects on the health, welfare and morale of the military personnel served and clinic staff. The existing facility is not large enough to accommodate the multifold increase in population anticipated under the force modernization program, and the addition of dental care services.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... NOV 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 115
(b) All Other Design Costs 605
(c) Total Cost 720
(d) Contract 597
(e) In-house 123

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, NAPLES, ITALY	4. COMMAND NAVAL MEDICAL COMMAND	5. AREA CONSTR. COST INDEX 1.10

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/85	64	138	78	0	0	0	583	2656	5096	8615
b. END FY 1991	80	134	78	0	0	0	619	2820	5385	9116

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(6)
b. INVENTORY TOTAL AS OF 30 SEP 1985	90
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	29,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	29,390

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510.10	Naval Hospital	173,140SF	29,300	7-85	3-87
	TOTAL		29,300		

9. Future Projects:

a. Included in following program (FY 88): None.

b. Major planned next three years: None.

10. Mission or Major Functions: The U. S. Naval Hospital and Dental Clinic are the primary providers of medical and dental services to the Department of Defense personnel in the central and eastern Mediterranean area, including Sixth Fleet operating forces and US personnel attached to NATO Southern Regional Headquarters. The hospital is likewise a key element of support in the event of a major role in military contingencies.

11. Outstanding pollution and safety deficiencies: ($000)

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health (OSH):	0

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S/N 0102-LF-001-3901

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION NAVAL HOSPITAL, NAPLES, ITALY	4. PROJECT TITLE NAVAL HOSPITAL

5. PROGRAM ELEMENT 8 77 96 N	6. CATEGORY CODE 510.10	7. PROJECT NUMBER P-148	8. PROJECT COST ($000) 29,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
NAVAL HOSPITAL	SF	173,140	-	23,230
MEDICAL CLINIC	SF	157,710	83.00	(13,100)
DENTAL CLINIC.	SF	14,290	117.00	(1,670)
AMBULANCE SHELTER & DECONTAMINATION FAC. .	SF	1,140	53.00	(60)
CHEMICAL-BIOLOGICAL PROTECTED AREAS. . . .	LS	-	-	(4,500)
TECHNICAL OPERATING MANUALS.	LS	-	-	(300)
BUILT-IN EQUIPMENT	LS	-	-	(3,600)
SUPPORTING FACILITIES.	LS	-	-	3,200
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(720)
UTILITIES, HELIPAD, PAVING AND SITE IMPR .	LS	-	-	(2,480)
SUBTOTAL	-	-	-	26,430
CONTINGENCY (5%)	-	-	-	1,320
TOTAL CONTRACT COST.	-	-	-	27,750
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,530
TOTAL REQUEST.	-	-	-	29,280
TOTAL REQUEST (ROUNDED).	-	-	-	29,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story reinforced concrete frame building, pile foundation, concrete floors, masonry walls, built-up roofing, sound attenuation, collateral and chemical-biological hardened protection, emergency generators; storage facility; veterinary facilities; fire protection system, air conditioning, utilities.

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11. REQUIREMENT: 47 BD. ADEQUATE: 0 BD. SUBSTANDARD: 96 BD.

PROJECT: Constructs a hospital complex.

REQUIREMENT: A suitably-sited modern hospital complex to replace the existing obsolete, overcrowded, and scattered facilities located in an area of increased seismic activity; consolidate functions in a central location, reduce operation and maintenance costs, and optimize medical support capability. This activity will continue as the Navy's primary health care facility in the central Mediterranean.

CURRENT SITUATION: The existing hospital is located in a leased building, in a seismically vulnerable area. Engineering studies have concluded that the existing facility is not structurally capable of withstanding seismic activity above the Richter 5 level without significant damage, possible mission impairment, and attendant loss of life. Evacuation of the upper floors became necessary within the past year in deference to seismic action. On 5 August 1985, the Ministry of Defense of Italy advised the US that it would provide land for the hospital site.

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, NAPLES, ITALY		
4. PROJECT TITLE NAVAL HOSPITAL		5. PROJECT NUMBER P-148

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Impossible to render medical care meeting US standards. Lack of preparedness for contingency and mobilization requirements for which this hospital has major responsibility. Cannot meet role in natural disaster recovery. Daily operations would continue to result in loss of productivity because of inefficient use of dysfunctional spaces.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................. 7-85
(b) Percent Complete as of January 1986............ 40
(c) Percent Complete as of October 1986............ 80
(d) Date Design Complete........................... 3-87

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(875)
(b) All Other Design Costs.........................(1,070)
(c) Total.. 1,945
(d) Contract.......................................(1,870)
(e) In-house.......................................(75)

(4) Construction start......................... 4-87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86
3. INSTALLATION AND LOCATION Korea Various Korea	4. COMMAND EIGHTH UNITED STATES ARMY	5. AREA CONSTRUCTION COST INDEX .91

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85.. 0
C. AUTHORIZATION NOT YET IN INVENTORY.. 0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM.. 139,160
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.. 307,039
F. PLANNED IN NEXT THREE YEARS.. 675,491
G. REMAINING DEFICIENCY.. 0
H. GRAND TOTAL.. 1,121,690

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441	662	GEN PURP WHSE-PUSAN	3,800	12/83	03/85
131	829	UG CMD & CONTROL TAEGU	4,900	04/85	04/86
740	834	PHYS FIT CTR-PUS/HIALEAH	1,400	04/85	08/86
740	836	PHYS FITNESS CTR-ESSAYONS	1,150	06/85	07/86
179	933	AUTOMATED RIFLE RNGE CASEY	3,600	05/85	02/86
171	981	FLIGHT SIMULATOR BLDG ADDN	1,600	04/84	10/85
721	1036	BARRACKS-HOVEY	4,650	05/85	05/86
442	1045	MED SUPPLY WHSE CARROLL	4,350	06/84	07/85
723	1061	DINING FACILITY-HOVEY	4,350	08/85	06/86
214	1066	TACT EQUIP SHOP-HOWZE	1,890	12/84	05/86
721	1075	BARRACKS-MERCER	3,500	05/85	09/86
721	[illegible]74	BARRACKS-LONG 3ID	5,600	06/85	08/86
442	1080	FLAMMABLE MAT STH CP CASTL	3,050	02/85	05/86
218	1085	FIELD MAINT SHOP-HUMPHREYS	5,900	08/85	05/86
214	1084	TACT EQUIP SHOP-LIBBY	1,100	04/85	08/86
214	1082	TACT EQUIP SHOP-MERCER	2,500	08/85	08/86
211	1087	MAINT HNGR ADD-HUMPHREYS	1,500	08/85	08/86
724	1006	BARRACKS PAGE	1,400	05/85	04/86
211	1096	UNIT MAINT HGR-HUMPHREYS	3,700	07/85	06/86
721	1101	BARRACKS-CP STANLEY	3,450	07/85	05/86
721	1100	BARRACKS-CASTLE	1,950	03/85	05/86
721	1099	BARRACKS-GREAVES	2,350	06/85	08/86
721	1098	BARRACKS-LIANTUN	2,800	06/85	06/86
721	1103	BARRACKS CP HOWZE	4,050	04/85	04/86
721	1102	BARRACKS-ESSAYONS	1,050	06/85	07/86
721	1113	BARRACKS-CP NIMBLE	1,950	05/85	04/86
721	1112	BARRACKS-HUMPHREYS	5,700	05/85	04/86
724	1117	BARRACKS-CP LAGUARDIA	3,650	06/85	08/86
722	1115	DINING FACILITY-STANLEY	3,200	05/85	05/86
740	1114	PHYS FIT CTR-GREAVES	1,300	05/85	10/86
214	1121	TACT EQUIP MOD/ADDN-CASEY	3,400	07/85	05/86

DD FORM 1 DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION: Korea Various Korea

8. PROJECTS REQUESTED IN THIS PROGRAM: (...CONTINUE)

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721	1120	BARRACKS-CP CASEY	15,500	04/85	08/86
721	1119	BARRACKS-H220	2,750	05/85	03/86
721	1125	BARRACKS PUSAN STCE	1,500	06/85	05/86
214	1123	TACT EQUIP SHOP RED CLOUD	2,300	07/85	05/86
721	1126	BARRACKS HIALEAH	5,900	05/85	08/86
214	1154	TACT EQUIP SHOP-PELHAM	1,200	07/85	08/86
214	1169	TACT EQUIP SHP STANTON	2,350	08/85	06/86
179	1178	TANK/SUB CALIBAR RNG-CASEY	1,950	05/85	04/86
722	1177	DINING FACILITY-RED CLOUD	3,250	05/85	05/86
721	1176	BARRACKS JACKSON	1,000	06/85	08/86
		SUBTOTAL PROJECTS OVER $1M	120,950		
724	1023	BOQ-MARKET	540	04/85	04/86
721	1030	BARRACKS-L BELL	780	09/85	08/86
214	1062	TACT EQUIP SHOP-GREAVES	380	05/85	09/86
730	1081	FIRE STATION-PUBSTFAC	340	06/85	05/86
214	1083	TACT EQUIP SHOP-YONGSAN	1,000	06/85	07/86
214	1089	TACT EQUIP SHOP-K16	920	07/85	08/86
214	1088	UPGRD TACT SHOP-YONGSAN	1,000	08/85	07/86
214	1094	TACT EQUIP SHOP	820	04/85	04/86
721	1115	BARRACKS PELHAM	900	06/85	08/86
217	1118	C & E MAINT FACS-CP CASEY	490	03/85	05/86
141	1166	ARFLD FIRE STA-LAGUARDIA	320	05/85	08/86
141	1174	BN HQS-YONGSAN	760	07/85	05/86
442	1180	CNTRL HUMID WHSE-CARROLL	920	04/85	08/86
851	1226	WIDEN X CORPS BLVD YONGSAN	1,000	07/85	07/86
		SUBTOTAL PROJECTS $1M & LESS	10,310		
		TOTAL	139,160		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88):	
721	BARRACKS	2,050
319	AFE FACILITIES WALKER	3,320
441	DEPOT WHSE-PUSAN	4,300
442	CNTRLD HUM WHSE-CP CARROLL	19,500
510	HOSPITAL UPGRADE-SEOUL	53,422
149	COMMO REVETMENTS-BEASON	1,100
179	MOUT FACILITY CASEY	2,053
740	PHYS FITNESS CTR-KYLE	1,050
800	ELEC/WTR/SWGE-CP MARKET	1,400
610	COMMAND & CNTRL FAC S-YON	1,388
610	ADP FACILITY-YONGSAN	4,000

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION: Korea Various Korea

9. FUTURE PROJECTS: (...CONTINUE)

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
610	MOD E COMPLEX-CP PAGE	1,450
730	BARRACKS CP SWISS/SWEDE	1,450
141	SCIF MOD-YONGSAN	3,400
721	BARRACKS-HENRY	6,950
149	COMMO SITE REVET YONGSAN	1,300
821	CENTRAL STEAM PLANT K16	2,050
422	AMMO BUNKER-CP CASEY	1,900
721	BARRACKS-MARKET	1,509
214	DS MAINT SHOP DIO-CARROL	4,650
610	COMMAND/CNTRL BLDG-YONGSAN	3,400
721	BARRACKS-JACKSON	4,117
721	NCO/BOQ PELHAM	2,950
721	BARRACKS HUMPHREYS	2,850
721	BARRACKS-INDIAN	2,873
721	BARRACKS-HUMPHREYS	7,640
721	BARRACKS-RED CLOUD	6,129
214	TACT MAINT FACILITY-WALKER	3,025
721	BENQ MERCER	1,577
214	IMP VEHICLE MAINT-PAGE	1,299
214	TACT MAINT FAC-MERCER	3,891
610	ADMIN FACILITY-YONGSAN	1,764
610	HQ ADMIN FAC-YONGSAN	1,980
851	VEHICLE OVER PASS - YONGSA	1,160
831	WATER/SEWER HUMPHREYS	1,691
721	BARRACKS-PAGE	7,043
730	POST CHAPEL-CARROLL	1,650
179	SNIPER/ID RANGE WATKINS	1,585
740	CHILD CARE CENTER-TAEGU	2,100
721	NCO/BOQ SEARS	1,700
721	NCO/BOQ GREAVES	3,000
721	NCO/BOQ - EDWARDS	3,600
721	BARRACKS-HOVEY	16,076
721	BARRACKS-HOWZE	6,450
721	BARRACKS-[illegible]	3,580
621	CLD STG PLT EXT PEN ST FAC	3,410
721	BARRACKS-HIALEAH	10,005
721	BARRACKS-CASTLE	3,200
721	BARRACKS-CASEY	29,782
730	BARRACKS-STANTON	1,001
722	DINING FACILITY CASEY	3,090
721	BARRACKS-STANLEY	2,053
721	BARRACKS - CAMP OWEN	3,100
141	HELIPORT FAC-YONGSAN	1,710
740	COMMUNITY FAC-CP LONG	5,500

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 07 JAN 86

INSTALLATION AND LOCATION: Korea Various Korea

9. FUTURE PROJECTS: (...CONTINUE)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :

CATEGORY CODE	PROJECT TITLE	COST ($000)
721	BARRACKS-CP STANLEY	9,911
740	COMMUNITY FAC-CP R-222	3,960
620	CMD POST UPGRADE-TANGO	2,981
740	CONCESS/CLUB FAC- CP R-222	2,423
740	CONCESS/CLUB FAC-CP LONG	3,086
141	UNDERGRND DTOC/SCIF-CASEY	3,408
	SUBTOTAL PROJECTS OVER $1M	394,960
219	FAC ENGR FAC-K16	660
171	INSRUCT/THEATER BLDG-K16	623
214	TACT EQUIP SHOP-K16	840
149	COMM SITE REV-YONGSAN	420
610	SAACT TURRET FAC-CP PAGE	960
422	AMMO BUNKER-CP HUMPT	580
422	AMMO BUNKER-CP GIANT	370
422	AMMO BUNKER - CP HOVEY	406
422	AMMO BUNKER-CP HOVEY	740
723	CO ADMIN FAC-KITTY HAWK	1,000
141	BATTALION HQTS BLDG-PAGE	682
441	CL I WAREHOUSE-YONGSAN	880
171	NBC TRAINING FAC - YONGSAN	630
179	MC/CLAYMORE TNG CTR - GREA	610
179	RANGE COMPLEX GREAVES	770
442	WAREHOUSE-KITTY HAWK	236
179	GR LAUNCHER RG - GREAVES	406
179	ME19 RANGE	629
214	TACT MAINT FAC-LONG	899
	SUBTOTAL PROJECTS $1M & LESS	12,899
	TOTAL	307,039

10. MISSION OR MAJOR FUNCTIONS:

To carry out the responsibility of the United Nations Command: US Forces, Korea and Eighth US Army.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86

3.INSTALLATION AND LOCATION Camp Edwards, Korea	4.PROJECT TITLE Health/Dental Clinic

5.PROGRAM ELEMENT 87711A	6.CATEGORY CODE 550	7.PROJECT NUMBER 1071	8.PROJECT COST ($000) Auth 1,800 Approp 1,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,088
Health/Dental Clinic	SF	9,318	107.10	(998)
Emergency Generator 125 KW	LS	-	-	(75)
Ambulance Garage	SF	417	35.00	(15)
Supporting Facilities				362
Electric Service	LS	-	-	(147)
Water, Sewer & Gas	LS	-	-	(22)
Paving, Walks, Curbs & Gutters	LS	-	-	(65)
Storm Drainage	LS	-	-	(26)
Site Improvement (62) Demolition (7)	LS	-	-	(69)
Communication	LS	-	-	(19)
Fuel Oil Storage *	LS	-	-	(14)
Subtotal				1,450
Contingency (5.00%)				73
Total Contract Cost				1,523
Supervision, Inspection & Overhead (5.50%)				84
Category 'E' Equipment				210
Total Request				1,817
Total Request (Rounded)				1,800
Installed Equipment - Other Appropriations				(270)

10.Description of Proposed Construction Construct a health/dental clinic to include a laboratory, pharmacy, lobby, reception and rooms for exam, x-ray, treatment, observation, linen, sterilizer, physical therapy, storage & utility, classroom/lounge, screener, staff lockers and latrines. Supporting facilities include utilities, site improvements, parking, walks, storm drainage, provisions for hookup of emergency generator, fire protection, communications, and an operational concept manual. Heating and air conditioning by self-contained unit. Accessibility for handicapped will be provided. Demolish one building (3,937 SF). Air conditioning: 40 tons.

11. REQUIREMENT: 9,735 SF ADEQUATE: None SUBSTANDARD: 3,937 SF

PROJECT: Construct a medical and dental facility.

REQUIREMENT: This project is required to provide an adequate medical treatment and dental facility for U.S. military personnel.

CURRENT SITUATION: The existing facility consists of quonset-type structures and is inadequate for present medical needs. The facility is crowded and offers limited privacy for examinations. The offices, treatment and X-ray rooms are makeshift rooms derived from floor plan manipulations and room additions. Adequate storage area, latrine, pharmacy and laboratory facilities are not available in the building. The building lacks energy

DD [illegible] DD1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86
3.INSTALLATION AND LOCATION Camp Edwards, Korea		
4.PROJECT TITLE Health/Dental Clinic		5.PROJECT NUMBER 1071

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
conservation features, and requires excessive amounts of heating fuel during the winter months. There is no air conditioning. The building has deteriorated and is in constant need of maintenance and repair. The present facility does not lend itself to providing quality medical treatment services. The dental care function to support troops in Camps Howze, Edwards, Stanton, Garry Owen and Western Corridor Radar Sites will transfer from Camp Howze to Camp Edwards.

IMPACT IF NOT PROVIDED: If this project is not provided, medical/dental personnel and patients will continue to work and receive medical/dental treatment in grossly inadequate facilities. High maintenance and repair costs to maintain a minimally operational facility will continue. The facilities will continue to hamper mission accomplishment and will detract from health and dental care provided.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Date Design Started .... APR 85
- (b) Percent Complete As Of January 1986 60
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete .... AUG 86

(2) Basis:

- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):

- (a) Production of Plans and Specifications .... ($000)
- (b) All Other Design Costs 89
- (c) Total Cost 106
- (d) Contract 195
- (e) In-house 110
- 85

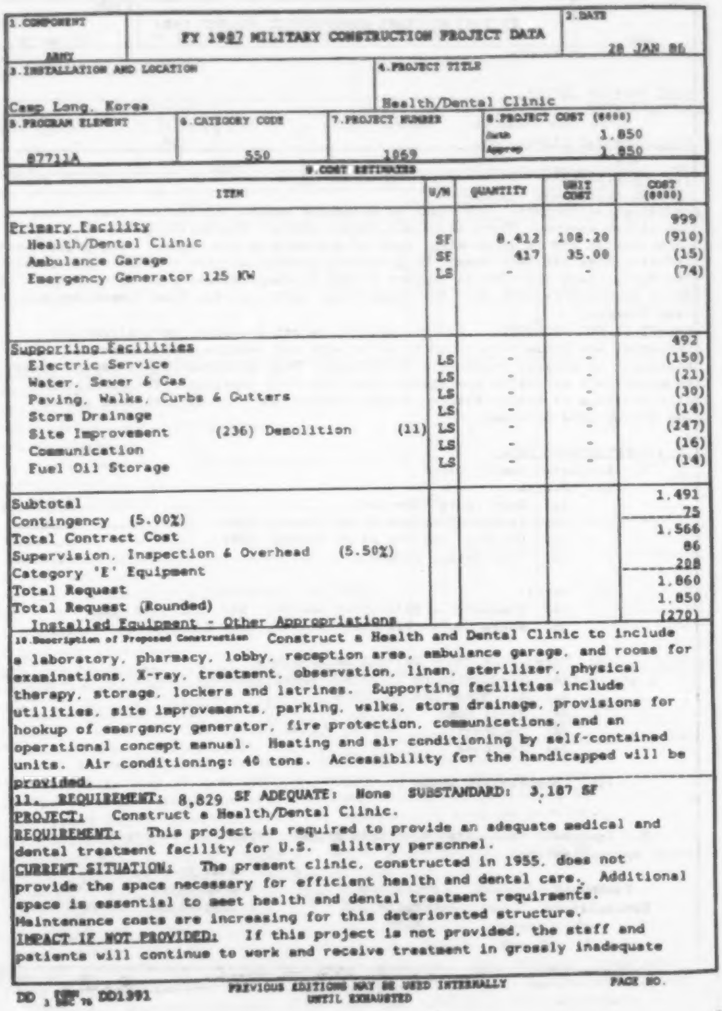
(4) Construction Start .... MAY 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD 1 DEC 76 DD1391C



1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
28 JAN 86

3. INSTALLATION AND LOCATION
Camp Long, Korea

4. PROJECT TITLE
Health/Dental Clinic

5. PROGRAM ELEMENT
87711A

6. CATEGORY CODE
550

7. PROJECT NUMBER
1069

8. PROJECT COST ($000)
Auth 1,850
Approp 1,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				999
Health/Dental Clinic	SF	8,412	108.20	(910)
Ambulance Garage	SF	417	35.00	(15)
Emergency Generator 125 KW	LS	-	-	(74)
Supporting Facilities				492
Electric Service	LS	-	-	(150)
Water, Sewer & Gas	LS	-	-	(21)
Paving, Walks, Curbs & Gutters	LS	-	-	(30)
Storm Drainage	LS	-	-	(14)
Site Improvement (236) Demolition (11)	LS	-	-	(247)
Communication	LS	-	-	(16)
Fuel Oil Storage	LS	-	-	(14)
Subtotal				1,491
Contingency (5.00%)				75
Total Contract Cost				1,566
Supervision, Inspection & Overhead (5.50%)				86
Category 'E' Equipment				208
Total Request				1,860
Total Request (Rounded)				1,850
Installed Equipment - Other Appropriations				(270)

10. Description of Proposed Construction Construct a Health and Dental Clinic to include a laboratory, pharmacy, lobby, reception area, ambulance garage, and rooms for examinations, X-ray, treatment, observation, linen, sterilizer, physical therapy, storage, lockers and latrines. Supporting facilities include utilities, site improvements, parking, walks, storm drainage, provisions for hookup of emergency generator, fire protection, communications, and an operational concept manual. Heating and air conditioning by self-contained units. Air conditioning: 40 tons. Accessibility for the handicapped will be provided.

11. REQUIREMENT: 8,829 SF ADEQUATE: None SUBSTANDARD: 3,187 SF

PROJECT: Construct a Health/Dental Clinic.

REQUIREMENT: This project is required to provide an adequate medical and dental treatment facility for U.S. military personnel.

CURRENT SITUATION: The present clinic, constructed in 1955, does not provide the space necessary for efficient health and dental care. Additional space is essential to meet health and dental treatment requirments. Maintenance costs are increasing for this deteriorated structure.

IMPACT IF NOT PROVIDED: If this project is not provided, the staff and patients will continue to work and receive treatment in grossly inadequate

DD 1 FORM DEC 76 DD1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 JAN 86
3. INSTALLATION AND LOCATION Camp Long, Korea		
4. PROJECT TITLE Health/Dental Clinic		5. PROJECT NUMBER 1069

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
facilities. High maintenance and repair costs to maintain a minimally operational facility will continue. The facilities will continue to hamper mission accomplishment and will detract from the health and dental care provided.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....MAY 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....AUG 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 59
(b) All Other Design Costs 171
(c) Total Cost 230
(d) Contract 123
(e) In-house 107

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD 1 FEB 76 DD1391C

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION CAMP NEW AMSTERDAM, THE NETHERLANDS	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTRUCTION COST INDEX 1.10

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	120	1,464	23	0	0	0	0	0	0	1,611
b. END FY 19 91	123	1,530	38	0	0	0	0	0	0	1,695

7 INVENTORY DATA ($000)

a TOTAL ACREAGE NA	
b INVENTORY TOTAL AS OF 30 Sept 85	9,383
c AUTHORIZATION NOT YET IN INVENTORY	8,670
d AUTHORIZATION REQUESTED IN THIS PROGRAM	5,250
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,929
f PLANNED IN NEXT THREE PROGRAM YEARS	9,560
g REMAINING DEFICIENCY	2,200
h GRAND TOTAL	40,992

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
510-001	Clinic/Dental Clinic	36,200 SF	(6,000)**	Oct 84	Oct 86
131-111	Communication Maintenance Facility	4,500 SF	570	Dec 84	Sep 86
141-753	CW Protection-Squadron Operations	2,600 SF	930	Jan 85	Nov 86
442-758	Add to Base Supply Complex	LS	2,450	Jan 85	Oct 86
730-773	Add to and Alter Chapel	LS	1,300	Apr 85	Oct 86
	Total		5,250		

** Not included in AF Totals

9. Future Projects: (a) Included in Following Program (FY 88):

610-000	Consolidated Support Center	40,000 SF	3,729
740-443	Transient Lodging Facility	19,400 SF	2,200
	Total		5,929

(b) Typical planned next three years:

442-758	Equipment Storage Warehouse	LS	910
721-312	Unaccompanied Enlisted Personnel Housing	300 PN	4,400
721-312	Unaccompanied Enlisted Personnel Housing	228 PN	4,000

10. Mission or Major Functions: This base hosts a squadron headquarters which is responsible for management, command, control, and direction for USAFE units assigned and one tactical fighter squadron operating F-15 aircraft which support contingency and war plans. (Dutch Base)

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CAMP NEW AMSTERDAM, THE NETHERLANDS	4 PROJECT TITLE CLINIC/DENTAL CLINIC

5 PROGRAM ELEMENT 8.77.11	6 CATEGORY CODE 510-001	7 PROJECT NUMBER VWLB866003	8 PROJECT COST ($000) 6,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CLINIC/DENTAL CLINIC	SF	36,200		4,165
CLINIC	SF	(30,100)	110	(3,311)
DENTAL CLINIC	SF	(6,100)	140	(854)
SUPPORTING FACILITIES				1,080
UTILITIES	LS			(215)
SITE IMPROVEMENT/DEMOLITION	LS			(250)
PAVEMENTS	LS			(195)
COMMUNICATION SUPPORT	LS			(190)
PASSIVE PROTECTION	LS			(230)
SUBTOTAL				5,245
CONTINGENCY (5.0%)				262
TOTAL CONTRACT COST				5,507
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%)				303
MEDICAL EQUIPMENT (CATAGORIES E AND F)				200
TOTAL REQUEST				6,010
TOTAL REQUEST (ROUNDED)				6,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(450)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, pre-engineered steel and masonry construction, with roofing system, and including necessary demolition, and communication systems. Functional areas include outpatient clinics, dental clinic, laboratory, radiology, pharmacy, emergency service, administration, medical logistics and necessary space. Provides passive protection features for the lower floor. Air conditioning: 80 Tons.

11. REQUIREMENT: 36,200 SF ADEQUATE: 0 SF SUBSTANDARD: 12,140 SF

PROJECT: Construct a medical and dental clinic.

REQUIREMENT: This replacement clinic/dental clinic will contain space and functional requirements for outpatient medical and dental care at Camp New Amsterdam. It is the primary source of outpatient care for eligible beneficiaries in the Netherlands. An expanded base mission and increased base staffing cannot be supported by the existing deficient facilities.

CURRENT SITUATION: The existing inadequate facility constructed in 1954 is comprised on of a small, crowded, inefficient medical facility and a dental clinic/mental health clinic in an adjacent building. These facilities do not meet life safety codes and environmental standards for medical facilities. Patient flow is severely restricted by gross overcrowding of medical support functions which result in serious inefficiencies in patient care. Medical assets of people and supplies are geographically separated into four buildings making accessibility and control difficult and counter-productive.

IMPACT IF NOT PROVIDED: Failure to accomplish this project will prevent

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION CAMP NEW AMSTERDAM, THE NETHERLANDS		
4 PROJECT TITLE CLINIC/DENTAL CLINIC		5. PROJECT NUMBER VWLB866003

the delivery of primary health care and will adversely affect the combat readiness at this critical base. This base has an assigned wartime mission, and the clinic is to be designed with limited passive protection features so that operations can continue in a hostile environment.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 84 OCT 16
(b) Percent Complete as of January 1986 60
(c) Percent Complete as of October 1986 100
(d) Date Design Complete 86 OCT 01

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	540
(b) All Other Design Costs	338
(c) Total	878
(d) Contract	626
(e) In-house	252

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Medical and Dental Equipment	3080	87	450

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF. PAGE NO

1. COMPONENT OSD	**FY 19 87 MILITARY CONSTRUCTION PROGRAM**	**2. DATE** Feb 1986
3. INSTALLATION AND LOCATION Various	**4. COMMAND** Office of the Secretary of Defense	**5. AREA CONSTRUCTION COST INDEX** Various

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE ....
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL ....

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
Various	Department of Defense Emergency Construction	LS	5,000		

9. FUTURE PROJECTS:

a. Included in Following Program (FY 1988)	30,000
b. Planned in Next Three Years (FY 1989/91)	90,000

10. MISSION OR MAJOR FUNCTIONS:

To establish and develop facilities not otherwise authorized by law whose deferral would be inconsistent with the security policies of the Department of Defense

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

None $

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1. COMPONENT OSD	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 1986

3. INSTALLATION AND LOCATION Various	4. PROJECT TITLE Department of Defense Emergency Construction

5. PROGRAM ELEMENT 91511D	6. CATEGORY CODE N/A	7. PROJECT NUMBER N/A	8. PROJECT COST ($000) 5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Construction of facilities in support of operations vital to the security of the United States.				5,000
Total Request				5,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

For FY 1987 $5 million is programed to provide the Secretary of Defense with authority to establish or develop installations and facilities which he determines to be vital to the security of the United States. The Armed Services and Appropriations Committees of the Senate and House of Representatives will be notified by the Secretary of Defense, or his designee, immediately upon reaching a decision to undertake construction of any public works, including real estate actions pertaining thereto, under this authority. The $5 million programed for FY 1987 is considered to be the minimum required to provide the Secretary of Defense the flexibility to undertake immediately urgent unforeseen military construction deemed vital to the security of the United States.

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1. COMPONENT OSD	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE Feb 1986
3. INSTALLATION AND LOCATION Various	4. COMMAND Office of the Secretary of Defense	5. AREA CONSTRUCTION COST INDEX Various

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE . . . .
b. INVENTORY TOTAL AS OF . . . .
c. AUTHORIZATION NOT YET IN INVENTORY . . . .
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . .
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . .
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . .
g. REMAINING DEFICIENCY . . . .
h. GRAND TOTAL . . . .

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
Various	Minor Construction	LS	4,000		

9. FUTURE PROJECTS:

a. Included in Following Program (FY 1988)			
	Minor Construction	LS	5,000
b. Planned in Next Three Years (FY 1989/91)			
	Mior Construction	LS	15,000

10. MISSION OR MAJOR FUNCTIONS:

Various

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

Not Applicable

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT OSD	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 1986

3. INSTALLATION AND LOCATION Various	4. PROJECT TITLE Department of Defense Minor Construction

5. PROGRAM ELEMENT 91211D	6. CATEGORY CODE Various	7. PROJECT NUMBER Various	8. PROJECT COST ($000) 4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Minor Construction				4,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Title 10 USC 2805 provides statutory authority to carry out minor military construction projects not otherwise authorized by law. A minor military construction project is a military construction project (1) that is for a single undertaking at a military installation, and (2) that has an approved cost equal to or less than the amount specified by law as the maximum amount for a minor military construction project, currently $1,000,000 per project.

11. Requirement: The $4.0 million requested for FY 1987 is considered a reasonable estimate to provide the numerous Defense Agencies and Activities supported by this account a capability to react to requirements for construction, alteration, or modification of facilities resulting from: (1) unforeseen situations affecting mission performance or safety of life or property; and (2) opportunities to attain greater efficiency of operation whereby investment costs are rapidly offset (amortized) through savings in maintenance and operation costs.

12. Supplemental Data:

a. Estimated design data: Not applicable

b. Equipment provided from other appropriations: Not applicable

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT OSD	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE Feb 1986
3. INSTALLATION AND LOCATION Various Locations CONUS & Overseas	4. COMMAND Office of the Secretary of Defense	5. AREA CONSTRUCTION COST INDEX N/A

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF b. END FY 19										

7. INVENTORY DATA ($000)

- a. TOTAL ACREAGE
- b. INVENTORY TOTAL AS OF
- c. AUTHORIZATION NOT YET IN INVENTORY
- d. AUTHORIZATION REQUESTED IN THIS PROGRAM
- e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
- f. PLANNED IN NEXT THREE PROGRAM YEARS
- g. REMAINING DEFICIENCY
- h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
Various	Planning & Design	LS	110,700	-	-

9. FUTURE PROJECTS:

a. Included in following program (FY 1988):

Various	Planning & Design	LS	71,300	-	-

b. Planned in next three years (FY 1989/91) :

Various	Planning & Design	LS	243,300	-	-

10. MISSION OR MAJOR FUNCTIONS:

Various

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

Not Applicable

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT OSD	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 1986

3. INSTALLATION AND LOCATION Various Locations CONUS and Overseas	4. PROJECT TITLE Planning

5. PROGRAM ELEMENT 91211D	6. CATEGORY CODE N/A	7. PROJECT NUMBER N/A	8. PROJECT COST ($000) 110,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Planning and Design	LS	-	-	110,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Funds are to be utilized for advance planning and preparation of final plans and specifications for construction requirements of the Defense Agencies and Secretary of Defense Activities including, when required, land appraisals, overall engineering investigations and feasibility studies.

11. Requirement: The estimated costs for projects do not include any amounts for feasibility studies, preliminary engineering or final plans and specifications. The accomplishment of the planning and design effort required to develop and execute the construction program for the Defense AGencies and Secretary of Defense Activities is dependent on the provision of funds proposed by this item. This request contains the funds specifically identified to the following undertakings:

SDIO	$20.0 million
Pentagon Annex	$22.5 million
Health Facilities	$39.9 million

1. COMPONENT Def.Agencies	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE Feb 1986
3. INSTALLATION AND LOCATION Various	4. COMMAND Various	5. AREA CONSTRUCTION COST INDEX Various

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE . . . .
b. INVENTORY TOTAL AS OF . . . .
c. AUTHORIZATION NOT YET IN INVENTORY . . . .
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . .
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . .
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . .
g. REMAINING DEFICIENCY . . . .
h. GRAND TOTAL . . . .

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
Various	Projects Costing $1,000,000 and Less		$8,040	-	-

9. FUTURE PROJECTS:

10. MISSION OR MAJOR FUNCTIONS:

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000):

-

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1. COMPONENT Def Agencies	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 1986

3. INSTALLATION AND LOCATION Various	4. PROJECT TITLE Projects Costing $1,000,000 and Less

5. PROGRAM ELEMENT Various	6. CATEGORY CODE Various	7. PROJECT NUMBER Various	8. PROJECT COST ($000) $8,040

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects Costing $1,000,000 and Less	-	-	-	8,040

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Specified construction projects having a funded cost of $1,000,000 or less. Individual project descriptions are provided on continuation pages.

The individual Defense Agency totals are:

Agency	Total ($000)
Defense Nuclear Agency	$1,690
Department of Defense Dependent Schools	930
Defense Logistics Agency	3,270
Defense Medical Support Activity	2,150
Total	$8,040

1. COMPONENT DEFENSE DNA	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 86

3. INSTALLATION AND LOCATION
Various

4. PROJECT TITLE
Projects Costing $1,000,000 and Less

5. PROJECT NUMBER
N/A

11. REQUIREMENT: DEFENSE NUCLEAR AGENCY

INSIDE THE UNITED STATES

State and Installation	Cost ($000)	Requirement and Description of Work
Maryland		
Armed Forces Radiobiology Research Institute, (AFRRI) Naval Medical Command, National Capital Region	790	Construct second story to a wing of the AFRRI complex to provide space for increased laboratory and research requirements. Extend mechanical, electrical, and fire safety systems.
New Mexico		
Field Command, Defense Nuclear Agency, Kirtland AFB	900	Modify and upgrade power distribution system of Building 20676 to meet existing and future equipment loading. Upgrade power to 480 volt system. Provide new pad mounted transformer, emergency engine generator, uninterruptable power system, transfer switches, distribution panels and new branch circuit panels.

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1. COMPONENT DEFENSE (DLA)	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE FEB 86
3. INSTALLATION AND LOCATION VARIOUS		
4. PROJECT TITLE PROJECTS COSTING $1,000,000 AND LESS		5. PROJECT NUMBER N/A

11. REQUIREMENT: DEFENSE LOGISTICS AGENCY

INSIDE THE UNITED STATES

State and Installation	Cost ($000)	Requirement and Description of Work
California Defense Fuel Support Point Estero Bay	680	Fire Protection. Adequate fire protection is required to insure terminal safety. Project provides a foam system to include a 100,000 gallon water storage tank, fire pumps, foam system water distribution, power, valves, alarms, pump house and cathodic protection. This 251,829 barrel capacity terminal has a replacement cost in excess of $11 million.

1. COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION VARIOUS		
4. PROJECT TITLE PROJECTS COSTING $1,000,000 AND LESS		5. PROJECT NUMBER N/A

11. REQUIREMENT: DEFENSE LOGISTICS AGENCY

INSIDE THE UNITED STATES

State and Installation	Cost ($000)	Requirement and Description of Work
OHIO		
Defense Construction Supply Center	280	Improvements to Warehouse Facilities. Project provides for construction of nine administrative areas (2,532SF) in Building Nos. 41, 18, 27, 2, 42 and 9; 960SF Lunch Room in Building 41 and five break areas (3,682SF) in Building 41 and 2. Work includes electrical, air conditioning, and utilities.
	580	Improve lighting. Project will replace existing mercury vapor light fixtures with energy savings fixtures in five warehouses. Est. first year savings $128,751. Amortization 6.5 years. Est. energy savings 19,790 MBTU/YR SIR = 2.7

1. COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION VARIOUS		
4. PROJECT TITLE PROJECTS COSTING $1,000,000 AND LESS		5. PROJECT NUMBER N/A

DEFENSE LOGISTICS AGENCY

11. REQUIRMENT:

INSIDE THE UNITED STATES

State and Installation	Cost ($000)	Requirement and Description of Work
SOUTH CAROLINA Defense Fuel Support Point Charleston	460	Fire Protection. Project is required to insure terminal safety. Present fire fighting facilities consist of water hydrants and portable foam equipment. Work includes two foam extinguishing systems in loading and unloading facilities for truck/rail car, seven fuel storage tanks, and two foam storage buildings. This 560,000 barrel capacity terminal has a replacement cost in excess of $7 million.

1. COMPONENT DEFENSE (DLA)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION VARIOUS		
4. PROJECT TITLE PROJECTS COSTING $1,000,000 AND LESS		5. PROJECT NUMBER N/A

II. REQUIREMENT: DEFENSE LOGISTICS AGENCY

INSIDE THE UNITED STATES

State and Installation	Cost ($000)	Requirement and Description of Work
UTAH		
Defense Depot Ogden	620	Transient and Visitor Housing. There is a requirement to provide adequate suitable lodging facilities to house transients and visitors at the Depot. Project provides for construction of 6,000SF of housing to include fifteen units at 400SF each consisting of one bedroom and a living room/sleeping area. Work includes utilities, heat, air conditioning, fire protection, site work and demolition of 6,830SF temporary World World War II facilities.
Subtotal Inside United States	2,620	

1. COMPONENT DEFENSE (DLA)	FY 19^87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION VARIOUS PROJECTS COSTING $1,000,000 AND LESS N/A	
4. PROJECT TITLE 11. REQUIREMENT:	5. PROJECT NUMBER

OUTSIDE THE UNITED STATES DEFENSE LOGISTICS AGENCY

Country And Installation	Cost ($000)	Requirement and Description Of Work
GERMANY		
Defense Reutilization and Marketing Office, (DRMC) Off-Site Branch, Bitburg	650	Covered Storage. There is a need to consolidate the DRMO operation as well as provide adequate facilities to conform with Department of Defense construction criteria. Work includes 1,800SY of parking, construction of a 13,900SF warehouse, 800SF of office, break area, and restrooms. Existing Building 566 and tents E01 through E07 will be demolished.
SUBTOTAL OUTSIDE THE UNITED STATES	650	
GRAND TOTAL DEFENSE LOGISTICS AGENCY	3,270	

1 COMPONENT DEFENSE (DODDS)Sec6	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 13 JAN 86
3 INSTALLATION AND LOCATION MARINE CORPS BASE, QUANTICO, VIRGINIA		
4 PROJECT TITLE QUANTICO HIGH SCHOOL ADDITION		5 PROJECT NUMBER 87CM2

11. REQUIREMENT: (Continued)

DoD DEPENDENTS SCHOOLS
Section 6 Schools

COUNTRY AND INSTALLATION	COST ($000)	REQUIREMENT AND DESCRIPTION OF WORK
United States:		
Quantico, Virginia	420	High school addition. This project of 5,560 SF of school facility will provide an adequate school library and upgrade the air conditioning to include this new addition.

1. COMPONENT DEFENSE (DODDS)	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 13 JAN 86
3. INSTALLATION AND LOCATION SEOUL, KOREA		
4. PROJECT TITLE SEOUL HIGH SCHOOL UPGRADING		5. PROJECT NUMBER 87PA1

11. REQUIREMENT (Continued)

DoD DEPENDENTS SCHOOLS

COUNTRY AND INSTALLATION	COST ($000)	REQUIREMENT AND DESCRIPTION OF WORK
Korea:		
Seoul	510	High school upgrading. This project of 116,000 SF of school facility provides stage and auditorium rigging, support systems for lights, scenery and curtains; install air conditioning, PA, and clock, bell, alarm, and intercom systems.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 28 JAN 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

DEFENSE MEDICAL SUPPORT FACILITY

Station	Project Title	Cost ($000)
California Fort Ord (PN 368)	Hospital Addition	530

This project is required to provide additional space to house medical diagnostic equipment. The existing outpatient and diagnostic areas are overcrowded and no space is available for the computerized tomography (CT) scanner and other equipment needed to support nuclear medicine. The addition will require structural modifications to the main hospital and will house the new CT scanner and existing ultrasound diagnostic equipment including a film processing room. Space will also be provided for a reception/waiting room, dressing rooms and storage. Utilities, including medical gas systems, will be extended from the main hospital systems.

Station	Project Title	Cost ($000)
Korea Camp Pelham (PN 1068)	Troop Aid Station	720

This project is required to provide an adequate medical treatment facility for U.S. military personnel. Project will include a laboratory, pharmacy, lobby, reception, and reooms for examinations, treatment, observation, linen, storage and utility, classes, and staff lockers. Supporting facilities include utilities, parking, walks, storm drainage, fire protection, communications, and site improvements. This structure will replace the 30 year old, badly deteriorated quonset structures that house the facility now. Heating and air-conditioning by self-contained units. Air conditioning: 25 tons. Accessibility for the handicapped will be provided.

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1. COMPONENT USUHS	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 1986

3. INSTALLATION AND LOCATION

Uniformed Services University of the Health Sciences

4. PROJECT TITLE

Projects costing $1,000,000 and less

Location	Cost ($000)	Description
Maryland		
Uniformed Services University of the Health Sciences	900	Storage Facility One-story steel frame with precast concrete wall panels, built-up roof, insulation, spread footings, heating and air conditioning, smoke detectors and sprinkler. This project will satisfy the University's requirement for environmentally controlled storage space for books, models, and scientific instruments.

FAMILY HOUSING, DEFENSE AGENCIES
FY 1987 PROGRAM

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Budget Appendix Extract	FH-2
Construction	FH-5
Operation and Maintenance	
Summary	FH-8
Defense Mapping Agency	FH-10
Defense Intelligence Agency	FH-12
National Security Agency	FH-14
Defense Logistics Agency	FH-16
Leasing	
Summary	FH-18
Defense Mapping Agency	FH-19
Defense Intelligence Agency	FH-21
National Security Agency	FH-23

PROGRAM SUMMARY
FY 1987
Family Housing, Defense Agencies

(Dollars in Thousands)

	DMA	DIA	NSA	DLA	Total
New Construction	-	-	270	-	270
Improvements	-	-	-	-	-
Subtotal	-	-	270	-	270
Operation	24	1,993	578	199	2,794
Leasing	35	8,341	5,651	-	14,027
Maintenance	32	-	245	232	509
Subtotal	91	10,334	6,474	431	17,330
Appropriation Request	91	10,334	6,744	431	17,600
Reimbursable Program	-	300	-	8	308

FAMLY HOUSING, DEFENSE AGENCIES
FY 1987
Appropriation Language

For expenses of family housing for the activities and agencies of the Department of Defense (other than the military departments) for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operation and maintenance, leasing, and minor construction as authorized by law as follows: for Construction [$1,610,000] $270,000; for Operation and Maintenance, [$13,957,000] $17,330,000; in all [$16,567,000] $17,600,000: Provided: That the amount provided for construction shall remain available until [September 30, 1990] September 30, 1991. (Military Construction Appropriation Act, 1987; additional authorizing legislation to be proposed.)

Family Housing, Defense Agencies
Program and Financing (in Thousands of dollars)

Identification code 97-0706-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
31.0101 Construction of new housing	600	1,500	270	1	2,283	363
31.0201 Construction improvements	107	110		69	142	
31.9101 Total construction	707	1,610	270	70	2,425	363
Operation, maintenance, and interest payment:						
Operation:						
32.0101 Operating expenses	2,191	1,394	2,794	2,191	1,394	2,794
32.0201 Leasing	11,934	13,000	14,027	11,934	13,000	14,027
32.0301 Maintenance of real property	416	563	509	416	563	509
32.9101 Total operation, maintenance, and interest	14,541	14,957	17,330	14,541	14,957	17,330
33.0101 Reimbursable	257	288	308	257	288	308
10.0001 Total	15,505	16,855	17,908	14,868	17,670	18,001
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)	-250	-280	-300	-250	-280	-300
14.0001 Non-Federal sources(-)	-7	-8	-8	-7	-8	-8
17.0001 Recovery of prior year obligations				-1		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans	-5			-339	-973	-156
21.4007 Reprograming from/to prior year budget pla						
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				973	158	65
25.0001 Unobligated balance lapsing	2,194			2,194		
40.0001 Budget authority (Appropriation)	17,437	16,567	17,600	17,437	16,567	17,600
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				14,611	17,382	17,693
72.4001 Obligated balance, start of year				5,454	6,327	7,941
74.4001 Obligated balance, end of year				-6,327	-7,941	-11,176
77.0001 Adjustments in expired accounts				-964		
78.0001 'Adjustments in unexpired accounts				-1		
90.0001 Outlays				12,773	15,766	14,458

Family Housing, Defense Agencies
Object Classification (in Thousands of dollars)

Identification code 97-0706-0-1-051		1985 actual	1986 est.	1987 est.
	Direct obligations:			
122.001	Transportation of things	314	200	596
123.201	Rental payments to others	3,449	8,715	8,539
123.301	Communications, utilities, and miscellaneous	4,825	916	1,140
	Other services:			
125.003	Contracts	3,973	3,606	4,624
125.004	Other	332	305	371
126.001	Supplies and materials	1,137	366	1,062
131.001	Equipment	511	787	936
132.001	Lands and structures	70	2,425	363
199.001	Total Direct obligations	14,611	17,382	17,693
	Reimbursable obligations:			
223.201	Rental payments to others	7	8	8
223.301	Communications, utilities, and miscellaneous	171	180	190
	Other services:			
225.003	Contracts	79	100	110
299.001	Total Reimbursable obligations	257	288	308
999.901	Total obligations	14,868	17,670	18,001

SUMMARY
Family Housing, Defense Agencies
Construction

The FY 1987 Defense Agency Family Housing request for construction is greatly reduced from prior levels. New Construction consists of only 3 units as opposed to the FY 1986 program which provided for 20 new units.

The Improvements program has been suspended for FY 1987 in view of the prior improvement work accomplished. It is anticipated that improvement funding will again be required in FY 1988.

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE Feb 86
3. INSTALLATION AND LOCATION Classification Location	4. COMMAND	5. AREA CONSTR COST INDEX 1.01

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 3 Feb 86										
b. END FY 19 91	0	0	92							92

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF Jan 86	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	270,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	300,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,125,000
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	1,695,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
	Single Housing Units	3 Units (3 Houses)	$270	10/86	09/87

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1 COMPONENT NSA	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION Classified Location	4 PROJECT TITLE Single Unit Housing

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER 87-001	8 PROJECT COST ($000) $270

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
4 Bedrooms, 2 Baths, Single Unit Houses	SF	4,500 (3 units)	60	270,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Acquire three Family Housing Units. Each house will contain: four bedrooms, two baths, living room, dining room, utility room, and a carport or garage. No air conditioning will be required. Total Facility Requirement: 1,500 square feet per unit.

Project: Purchase three single unit houses during FY 1987.

Requirement: A need exists to provide additional housing for personnel assigned to this station. Our program identifies construction funds in FY 1987-1991 to purchase three units per year. These 15 units will establish a nucleus of government owned quarters and lend stability to our housing inventory which presently relies completely on leased units. With the presence of several other bases in the area, it makes the leased housing market very competitive. Even when leased housing is secured, the period of the lease does not coincide with the three-year assignment of our personnel. This causes continuous displacement of our families. The actual distribution of moves means that some families must move once each year they are assigned to this base.

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U.S. G.P.O. 1984-420-979/13478

SUMMARY
Family Housing, Defense Agencies
Operation and Maintenance

The FY 1987 Defense Agency family housing request is relatively stable and represents only modest increases with respect to FY 1986. The operations account increases by only 6 percent, while the maintenance account decreases by 10 percent. The major increase in the request results from an increase in the number of owned and leased units, and the concomitant increase in the furnishings and appliances required to support these units.

Lease costs do not include the cost of furnishings support. These costs are funded under the operations request. Since most leased units are provided without appliances and, in many cases, light fixtures, kitchen cabinets, etc., these items must be provided to make the units habitable. Furnishings are often provided to minimize the down-time of the unit, and consequently reduce temporary lodging costs, while the intended occupant's furnishings are in transit.

In order to minimize the cost of providing housing to our Defense Agency personnel, the amounts requested should be approved as submitted.

SUMMARY
Family Housing, Defense Agencies
Operation and Maintenance

(Excludes Leased Units and Costs)

Inventory	FY 1986 Worldwide	FY 1987 Worldwide
Beginning of Year	621	627
End of Year	627	678
Average	624	652

	FY 1985 Enacted		FY 1986 Enacted		FY 1987 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
Funding Requirements						
Operations						
1. Management	-	-	-	-	-	-
2. Services	13	21	13	21	6	9
3. Utilities	161	263	177	284	197	302
4. Furnishings	1,800	2,936	661	1,059	2,013	3,087
5. Miscellaneous	470	767	543	870	578	887
Subtotal, Operations	2,444	3,987	1,394	2,234	2,794	4,285
Maintenance						
6. Dwellings	554	904	501	803	456	699
7. Ext. Utilities	10	16	30	48	20	31
8. Other Real Property	21	34	22	35	23	35
9. Alterations	1	2	10	16	10	15
Subtotal, Maintenance	586	956	563	902	509	781
Appropriation Request	3,030	4,943	1,957	3,136	3,303	5,065
Reimbursable Program	8	-	8	-	8	8

DEFENSE MAPPING AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

Defense Mapping Agency (DMA) family housing consists of six units (three duplexes) located in Jefferson Barracks, approximately eight miles from the Defense Mapping Agency Aerospace Center (AC) in St. Louis, Missouri. These units are occupied by six military officers who are relinquishing their quarters allowance.

Although DMA's six family housing units in the St. Louis area were constructed in 1941, they have been maintained at a minimal cost to the government. They are conveniently located to DMA's Aerospace Center and consequently the military members may respond quickly in the event of an emergency requirement to meet a military contingency operation. In addition, the members occupying these quarters are giving up quarters allowances which makes it advantageous for the government to continue to operate and maintain these housing units.

Crosswalk Between FY 1986 and FY 1987

	($000)
Operations	
FY 1986 Enacted	$23
Inflation	+1
FY 1987 Request	$24
Maintenance	
FY 1986 Enacted	$31
Inflation	+1
FY 1987 Request	$32

DEFENSE MAPPING AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

(Excludes Leased Units and Costs)

Inventory	FY 1986 Worldwide	FY 1987 Worldwide
Beginning of Year	6	6
End of Year	6	6
Average	6	6

	FY 1985 Enacted		FY 1986 Enacted		FY 1987 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
Funding Requirements						
Operations						
1. Management	-	-	-	-	-	-
2. Services	3	500	3	500	3	500
3. Utilities	18	3,000	19	3,167	19	3,167
4. Furnishings	1	167	1	167	2	333
5. Miscellaneous	-	-	-	-	-	-
Subtotal, Operations	22	3,667	23	3,833	24	4,000
Maintenance						
6. Dwellings	24	4,000	28	4,667	28	4,667
7. Ext. Utilities	-	-	-	-	-	-
8. Other Real Property	1	167	3	500	4	667
9. Alterations	-	-	-	-	-	-
Subtotal, Maintenance	25	4,167	31	5,167	32	5,333
Appropriation REquest	47	7,833	54	9,000	56	9,333

DEFENSE INTELLIGENCE AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

The FY 1987 family housing operation and maintenance expenses for DIA include the cost of providing quarters furniture and appliances; the moving and handling of the furniture and appliances; and the maintenance and repair of these items.

The costs associated with the recurring shipments of a military member's personally owned household furniture and appliances to and from overseas is becoming increasingly expensive. Through providing government furniture and appliances, costs associated with shipment of a military member's personally owned furnishings at the beginning and end of overseas tours has been greatly reduced. Also, government's costs relating to temporary lodging expenses have been significantly reduced since the military member is not required to reside in hotel accommodations for an extensive period of time while awaiting arrival of his privately owned furnishings.

Crosswalk Between FY 1986 and FY 1987

Operations	($000)
FY 1986 Enacted	$643
Support for New Leased Units Furnishings, Appliances, and Transportation	+429
Replacement for Present Leased Units Furnishings, Appliances, and Transportation	+849
Inflation	+72
FY 1987 Request	$1,993

DEFENSE INTELLIGENCE AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

(Excludes Leased Units and Costs)	FY 1986 Worldwide	FY 1987 Worldwide
Inventory		
Beginning of Year	428	434
End of Year	434	456
Average	431	445

	FY 1985 Enacted		FY 1986 Enacted		FY 1987 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
Funding Requirements						
Operations						
1. Management	-	-	-	-	-	-
2. Services	-	-	-	-	-	-
3. Utilities	-	-	-	-	-	-
*4. Furnishings	1,783	4,245	643	1,492	1,993	4,479
5. Miscellaneous	-	-	-	-	-	-
Subtotal, Operations	1,783	4,245	643	1,492	1,993	4,479
Maintenance						
6. Dwellings	-	-	-	-	-	-
7. Ext. Utilities	-	-	-	-	-	-
8. Other Real Property	-	-	-	-	-	-
9. Alterations	-	-	-	-	-	-
Subtotal, Maintenance	-	-	-	-	-	-
Appropriation Request	1,783	4,245	643	1,492	1,993	4,479

*Initial furnishings, appliances, and transportation cost per unit is $20,200 for FY 1987.

NATIONAL SECURITY AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

The Operation portion of the family housing program includes maintenance, repair, and replacement of furniture and furnishings, utility services, refuse collection and disposal and administrative support at the installation levels. Leasing costs are covered separately.

The Maintenance portion includes maintenance and repair of buildings and related utilities systems, and other incidental improvements including minor alterations and additions. Due to prior maintenance efforts this account is reduced from previous levels.

Crosswalk Between FY 1986 and FY 1987

Operation	($000)
FY 1986 Enacted	$543
Support Costs for New Units	+101
Inflation	+22
Foreign Currency Gain/Loss	-88
FY 1987 Request	$578
Maintenance	
FY 1986 Enacted	$292
One Tine Cost for New Units	+28
Inflation	+12
Foreign Currency Gain/Loss	-87
FY 1987 Request	$245

NATIONAL SECURITY AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

(Excludes Leased Units and Costs)

Inventory	FY 1986 Worldwide	FY 1987 Worldwide
Beginning of Year	117	117
End of Year	117	146
Average	117	131

	FY 1985 Enacted		FY 1986 Enacted		FY 1987 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
Funding Requirements						
Operations						
1. Management	-	-	-	-	-	-
2. Services	-	-	-	-	-	-
3. Utilities	-	-	-	-	-	-
4. Furnishings	-	-	-	-	-	-
5. Miscellaneous	470	4,017	543	4,641	578	4,412
Subtotal, Operations	470	4,017	543	4,641	578	4,412
Maintenance						
6. Dwellings	294	2,513	252	2,154	215	1,641
7. Ext. Utilities	10	85	30	256	20	153
8. Other Real Property	-	-	-	-	-	-
9. Alterations	1	9	10	85	10	76
Subtotal, Maintenance	305	2,607	292	2,496	245	1,870
Appropriation Request	775	6,624	835	7,137	823	6,282

DEFENSE LOGISTICS AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

The Operations portion of the family housing program includes the furnishing of utility services (except telephone), refuse collection and disposal, entomological services, snow removal, street cleaning, handling and moving of government-owned furnishings, and purchase of appliances.

The Maintenance portion includes maintenance and repair of buildings, roads, driveways, walks, exterior and interior utility systems, grounds care, and replacement of fixtures and other equipment which are integral components of a housing unit.

The FY 1987 program will finance the usual operating expenses and recurring maintenance plus further reduce the maintenance backlog accumulated by several years of austere funding. Members occupying these quarters are forfeiting quarters allowance in excess of O&M costs which makes it advantageous for the government to continue to operate and maintain these housing units.

Operations

	($000)
FY 1986 Enacted	$185
Inflation	+8
Increased Furnishings Requirement 1/	+6
FY 1987 Request	$199

Maintenance

FY 1986 Enacted	$240
Inflation	+10
Reduction in Backlog Maintenance Expense	-18
FY 1987 Request	$232

1/ Replacement of ranges and refrigerators.

DEFENSE LOGISTICS AGENCY
Family Housing, Defense Agencies
Operation and Maintenance

(Excludes Leased Units and Costs)	FY 1986 Worldwide	FY 1987 Worldwide
Inventory		
Beginning of Year	70	70
End of Year	70	70
Average	70	70

	FY 1985 Enacted		FY 1986 Enacted		FY 1987 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
Funding Requirements						
Operations						
1. Management	-	-	-	-	3	43
2. Services	10	143	10	143	178	2,543
3. Utilities	143	2,043	158	2,257	18	257
4. Furnishings	16	229	17	243	-	-
5. Miscellaneous	-	-	-	-	-	-
Subtotal, Operations	169	2,414	185	2,643	199	2,843
Maintenance						
6. Dwellings	236	3,371	221	3,157	213	3,043
7. Ext. Utilities	-	-	-	-	-	-
8. Other Real Property	20	286	19	271	19	271
9. Alterations	-	-	-	-	-	-
Subtotal, Maintenance	256	3,657	240	3,429	232	3,314
Appropriation Request	425	6,071	425	6,071	431	6,157
Reimbursable Program	8	-	8	-	8	-

SUMMARY
Family Housing, Defense Agencies
Leasing

The FY 1987 leasing request by agency is as follows:

	FY 1986 No. of Units	Enacted Cost ($000)	FY 1987 No. of Units	Request Cost ($000)
Defense Mapping Agency	1	33	1	35
Defense Intelligence Agency	299	7,247	336	8,641
Reimbursable Program	-	-280	-	-300
Appropriation	-	6,967	-	8,341
National Security Agency	555	6,000	579	6,651
Total	855	13,000	916	15,027

Defense Agency leases are located exclusively overseas, in many cases remote locations such as Oman, Baharain, etc., where housing comparable to western standards is nonexistent or very scarce. Leasing in areas where suitable housing is in such short supply is very expensive which accounts for the fact that the bulk of the high cost leases are concentrated in the Defense Agencies.

A more detailed justification by agency is given on the following pages.

DEFENSE MAPPING AGENCY
Family Housing, Defense Agencies
Leasing

	FY 1986 No. of Units	Enacted Cost ($000)	FY 1987 No. of Units	Request Cost ($000)
Leasing	1	33	1	35

Justification:

The unit at Jakarta is occupied by a civilian who is the DMA Liaison Officer assigned to Indonesia. The Federal Building Office, State Department, has converted the mechanism of financing the costs for leased staff housing from direct agency leasing to group Foreign Buildings Office (FBO) leasing for the Inter-Agency Housing Pool in Jakarta, Indonesia. Under this plan, the embassy at Jakarta makes all leases and assigns all housing. The participating agencies pay their share on a yearly basis.

DEFENSE MAPPING AGENCY
Family Housing, Defense Agencies
Leasing

	FY 1985			FY 1986			FY 1987		
Classified Locations	No. of Units Req	Lease Months	Costs ($000)	No. of Units Req	Lease Months	Costs ($000)	No. of Units Req	Lease Months	Costs ($000)
Jakarta, Indonesia	1	12	31	1	12	33	1	12	35
Total	1	12	31	1	12	33	1	12	35

DEFENSE INTELLIGENCE AGENCY
Family Housing, Defense Agencies
Leasing

	FY 1986 No. of Units	Enacted Cost ($000)	FY 1987 No. of Units	Request Cost ($000)
Leasing	299	7,247	336	8,641
Reimbursable Program	-	-280	-	-300
Appropriation	299	6,967	336	8,341

Justification: An important element of DIA's mission is the operation and management of the Defense Attache System which presently consists of 102 Defense Attache Offices located at U.S. embassies in capital cities of the world. The Defense Attache System requires foreign leasing support because U.S. Government quarters are not available and (1) the host government prohibits/restricts private leasing; or (2) custom of the country requires exorbitant advance rentals and/or deposits; or (3) available quarters require government-financed security and other improvements before they can be considered safe and habitable by U.S. standards; or (4) to permit DIA to participate in interagency housing pools at post; or (5) at some overseas locations the host government rent control laws are such that government leases can effect a significant savings of funds through obtaining extended tenure rights to property at no or minimal increases in rental cost. This budget estimate includes the funds required to support 336 government-leased quarters and Foreign Affairs Administrative Support (FAAS) provided by the State Department. FAAS amounts to 19 percent on the request. Due to the hostile environment of the countries in which many of the Offices are located, security must be provided amounting to 8 percent of the request. The estimate also includes funds to support the quarters requirements of new Defense Attache Offices to be established or augmented in accordance with U.S. Intelligence Community objectives. Also, included are funds to convert private leases to government leases.

Crosswalk Between FY 1986 and FY 1987

	($000)
FY 1986 Request	$6,967
Open and Augment DAO's	+722
Convert private lease to government leases	+107
Convert O&M to Family Housing lease	+194
Multiple year lease payments	+113
Full year costing of existing leases	+164
Savings from construction program	-121
Escalation	+215
FY 1987 Request	$8,341

DEFENSE INTELLIGENCE AGENCY
Family Housing, Defense Agencies
Leasing

Classified Locations	FY 1985 No. of Units Req	FY 1985 Lease Months	FY 1985 Costs ($000)	FY 1986 No. of Units Req	FY 1986 Lease Months	FY 1986 Costs ($000)	FY 1987 No. of Units Req	FY 1987 Lease Months	FY 1987 Costs ($000)
Classified Locations	320	3,805	8,459	299	3,402	7,247	336	3,996	8,641
Reimbursable			-250			-280			-300
Total			8,209			6,967			8,341

Due to the sensitive nature of the information, country detail, to include lease months can be provided to the committee through separate channels.

NATIONAL SECURITY AGENCY
Family Housing, Defense Agencies
Leasing

	FY 1986 No. of Units	Enacted Cost ($000)	FY 1987 No. of Units	Request Cost ($000)
Leasing	555	6,000	579	6,651

In order to fulfill NSA's mission, leases at classified locations overseas are required as the most cost-effective means of satisfying NSA personnel housing needs. In most cases these units are located in high cost areas.

Crosswalk Between FY 1986 and FY 1987

	($000)
FY 1986 Enacted	$6,000
Cost of 24 additional units	+240
Utilities to support new units	+67
Furnishings for new units	+120
Services to support new units	+44
Inflation	+240
Currency Gain/Loss	-60
FY 1987 Request	$6,651

NATIONAL SECURITY AGENCY
Family Housing, Defense Agencies
Leasing

Classified Locations	FY 1985 No. of Units Req	FY 1985 Lease Months	FY 1985 Costs ($000)	FY 1986 No. of Units Req	FY 1986 Lease Months	FY 1986 Costs ($000)	FY 1987 No. of Units Req	FY 1987 Lease Months	FY 1987 Costs ($000)
Classified Locations	494	5,514	4,265	555	6,340	6,000	579	6,804	6,651
Total	494	5,514	4,265	555	6,340	6,000	579	6,804	6,651

DEPARTMENT OF DEFENSE

MILITARY
CONSTRUCTION
PROGRAM

FY 1987
NORTH ATLANTIC TREATY ORGANIZATION
INFRASTRUCTURE PROGRAM

JUSTIFICATION DATA SUBMITTED TO CONGRESS

NATO Infrastructure

Program Summary

Activity	Authorization	Financing
NATO Infrastructure	$247,000,000	$267,000,000

DEPARTMENT OF DEFENSE

APPROPRIATION: North Atlantic Treaty Organization Infrastructure, FY 1987

APPROPRIATION INTRODUCTION

This appropriation provides funds for the United States share of the NATO Infrastructure Program, a program which provides those minimum essential, dedicated wartime facilities required to support the deployment and operation of NATO military forces, including U.S. forces committed to NATO. The program is financed collectively by NATO member countries in accordance with a negotiated cost sharing formula. It operates under financial ceilings established to cover multi-year periods. The amount for each multi-year period is set through a process of negotiation and requires unanimous approval of all financially participating nations.

DEPARTMENT OF DEFENSE

APPROPRIATION: North Atlantic Treaty Organization Infrastructure, FY 1987

APPROPRIATION LANGUAGE

For the United States share of the cost of multilateral programs for the acquisition or construction of military facilities and installations (including international military headquarters) for the collective defense of the North Atlantic Treaty Area as authorized in military construction Acts and Section 2806 of Title 10, United States Code, ($10,000,000) $247,000,000 to remain available until expended. (Military Construction Appropriations Act, 1986; additional authorizing legislation to be proposed.)

NATO Infrastructure
Program and Financing (In Thousands of dollars)

Identification code 97-0804-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
10.0001 Total	131,172	40,000	267,000	94,796	320,000	340,000
Financing:						
Offsetting collections from:						
14.0001 Non-Federal sources(-)	-23,972	-30,000	-20,000	-23,972	-30,000	-20,000
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-373,608	-410,162	-130,162
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				410,162	130,162	57,162
40.0001 Budget authority (Appropriation)	107,200	10,000	247,000	107,200	10,000	247,000
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				70,824	290,000	320,000
72.4001 Obligated balance, start of year				426,159	371,558	518,055
74.4001 Obligated balance, end of year				-371,558	-518,055	-696,469
90.0001 Outlays				125,425	143,503	141,586

Object Classification (In Thousands of dollars)

Identification code 97-0804-0-1-051	1985 actual	1986 est.	
Direct obligations:			
Other services:			
125.004 Other	5,187	19,200	20,400
132.001 Lands and structures	89,609	300,800	319,600
199.001 Total Direct obligations	94,796	320,000	340,000
999.901 Total obligations	94,796	320,000	340,000

1. COMPONENT DOD	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 4 FEB 86
3. INSTALLATION AND LOCATION NATO Infrastructure NATO Countries - Various	4. COMMAND U.S. Army, Europe	5. AREA CONSTR. COST INDEX

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF	
c. AUTHORIZATION NOT YET IN INVENTORY	247,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
AAA	NATO Infrastructure		247,000 Authorization 267,000 Financing		

9. MISSION OR MAJOR FUNCTIONS: The NATO Infrastructure Program is a commonly financed cost-sharing program for providing military facilities required by NATO Commanders in member countries for use by NATO forces in support of NATO defense plans. The annual U.S. budget request for infrastructure is to provide funds for the U.S. contribution based upon previously agreed cost-sharing formulas.

1. COMPONENT DOD	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4 FEB 86

3. INSTALLATION AND LOCATION NATO Infrastructure, NATO Countries	4. PROJECT TITLE NATO Infrastructure

5. PROGRAM ELEMENT 01005A	6. CATEGORY CODE AAA	7. PROJECT NUMBER N/A	8. PROJECT COST ($000) 267,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
NATO Infrastructure				
Authorization				247,000
Financing:				
FY 1987 Appropriation Request				247,000
Anticipated FY 1987 Recoupments				20,000
Total Financing				267,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION Provide essential facilities in established categories for the operational effectiveness of NATO forces.

11. REQUIREMENT.

This project is required to meet the estimated U.S. share of the multinational NATO Common Funded Infrastructure Program. The total obligational authority required in FY 1987 is $267 million. Of this amount $247 million is required in new authorization and appropriations. The balance, $20 million, is expected to become available through recoupment from NATO for infrastructure projects prefinanced by the United States in prior years. The funds will be used to meet U.S. obligations during the FY 1987 time frame as projects in established categories are approved by the NATO Payments and Progress Committee for funding. Such projects are from a backlog of construction requirements approved in Supreme Allied Commander Europe (SACEUR) and Allied Commander Atlantic (SACLANT) annual programs.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DEPARTMENT OF THE NAVY

FY 1987
Military Construction Naval Reserve

JUSTIFICATION DATA SUBMITTED TO CONGRESS
FEBRUARY 1986

DEPARTMENT OF THE NAVY
MILITARY CONSTRUCTION, NAVAL RESERVE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1987

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    (2) PROGRAM & FINANCING SCHEDULE......................

    (3) OBJECT CLASSIFICATION SCHEDULE....................

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SPECIAL PROGRAM CONSIDERATION...........................TAB F

Department of the Navy
Military Construction, Naval Reserve - FY 1987
STATE LIST
(Dollars in Thousands)

State	PROJ. No.	Installation & Project	Project Cost	% Design as of JAN 86	DD Form 1391 Page No
Alabama		NMCRC Mobile			
	067	Vehicle Maintenance Facility	250	35	62
	054	Redstone Arsenal RNMCB-24 Operational Storage Facility	175	35	62
		Subtotal	425		
California		NMCRC Long Beach			
	996	Parachute Loft	190	35	63
		Subtotal	190		
Colorado	041	Fort Carson RNCFSU-2 Permanent Drill Site	390	35	63
		Subtotal	390		
Illinois		NAS Glenview			
	920	Aviation Technical Training Building	2,200	60	16
	117	KC-130 Parking Apron	1,900	95	18
	055	RNMCB-25 Operational Storage Facility	175	35	63
		NRC Great Lakes			
	009	Assault Craft Unit Maintenance Facility	700	40	23
		Subtotal	4,975		

State	Proj. No.	Installation & Project	Project Cost	% Design as of JAN 86	DD Form 1391 Page No
Louisiana		NAS New Orleans			
	366	Approach Lighting System	2,200	100	33
		NMCRC New Orleans			
	052	Reserve Training Building Alterations	700	40	28
		NSA New Orleans			
	504	ISMO/AUDIO-VISUAL	275	35	63
	092	Admin Space, Building 603-2-C	260	35	63
		Barksdale AFB			
	058	RNMCB-28 Operational Storage Facility	175	35	63
		Subtotal	3,610		
Maine		NAS Brunswick			
	057	RNMCB-27 Operational Storage Facilities	175	35	64
		Subtotal	175		
Michigan		AFRC Saginaw			
	001	Reserve Training Building	3,600	95	37
		NAF Detroit			
	056	RNMCB-26 Operational Storage Facility	175	35	64
		Subtotal	3,775		
Minnesota		St. Paul INTL Airport			
	043	RNCFSU-4 Permanent Drill Site	390	35	64
		Subtotal	390		
Missouri		Richards Gebaur AFB			
	048	RNMCB-15 Operational Storage Facility	175	35	64
		Subtotal	175		
Nevada		AFRC Las Vegas			
	895	Reserve Center Addition	1,000	45	41
		Subtotal	1,000		

State	PROJ. No	Installation & Project	Project Cost	% Design as of JAN 86	DD Form 1391 Page No
New Jersey		NAEC Lakehurst			
	051	RNMCB-21 Operational Storage Facility	175	35	64
		Subtotal	175		
New York		Camp Smith, Peekskill			
	047	RNMCB-13 Operational Storage Facility	175	35	64
		MCRC Syracuse			
	042	RNCFSU-3 Permanent Drill Site	390	35	65
		Subtotal	565		
Ohio		NMCRC Youngstown			
	232	Reserve Training Building	3,600	35	45
		Rickenbacker ANG, Columbus			
	050	RNMCB-20 Operational Storage Facility	175	35	65
		Subtotal	3,775		
Pennsylvannia		NAS Willow Grove			
	190	Aircraft Maintnenace Hangar	8,000	35	50
	118	Aircraft Rinse Facility	150		65
		Beaver County			
	040	RNCFSU-1 Permanent Drill Site	390	35	65
		MCRC Wyoming			
	992	Combat Vehicle Maintenance Facility	190	35	65
		Subtotal	8,730		

State	PROJ. No.	Installation & Project	Project Cost	% Design as of JAN 86	DD Form 1391 Page No
Texas		NAS Dallas			
	181	Airfield Approach Lighting	2,400	40	55
	340	Aircraft Cooling	250	35	66
	052	RNMCB-22 Operational Storage Facility	175	35	65
		NMCRC Corpus Christi			
	069	Vehicle Maintenance Facility	250	35	65
		Subtotal	3,075		
Virginia		Fort Belvoir			
	053	RNMCB-23 Operational Storage Facility	175	35	66
		Subtotal	175		
Washington		NAR Whidbey Island			
	023	Aircraft Maintenance Hangar	6,100	85	60
		Subtotal	6,100		
Various		Design	5,300		68
Locations		Minor Construction (Unspecified)	1,500		67
		Subtotal	6,800		
		Grand Total	44,500		

Department of the Navy
Military Construction Naval Reserve Program - FY 1987
Summary By Special Programs
(Dollars in Thousands)

(a) Air Pollution Abatement - None

(b) Water Pollution Abatement - None

(c) Energy Conservation Investment Program: Included within Minor Construction line item.

State	**Installation & Project**	**Project Cost**
Massachusetts	NAS South Weymouth P-178 Energy Monitoring & Control System	$290
California	NAR Alameda P-325 Heating System Modification, Bldg 21	$210
	Grand Total	$500

Department of the Navy
Annual Budget Estimates

Appropriation
MILITARY CONSTRUCTION, NAVAL RESERVE

FY 1987
Budget

SECTION 1 - LANGUAGE

For construction, acquisition, expansion, rehabilitiation, and conversion of facilities for the training and administration of the Reserve components of the Navy and Marine Corps as authorized by Chapter 133 of Title 10, United States Code, and military construction authorization Acts, [$41,800,000] $44,500,000 to remain available until September 30, [1990] 1991 (Military Construction Appropriations Act, 1986 as included in Public Law 99-173; additional authorizing legislation to be proposed.)

SECTION 2 - EXPLANATION OF LANGUAGE CHANGES

1. Deletion of FY 1986 appropriation shown in brackets.
2. Insertion of 1987 request.

Mil. Con., Naval Reserve
Program and Financing (in Thousands of dollars) SUMMARY

04 Feb 86

Identification code 17-1235-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
30.0101 Major construction	53,905	36,060	37,700	53,188	42,605	38,233
30.0201 Minor construction	2,895	1,540	1,500	2,645	1,446	1,537
30.0301 Planning	4,000	4,200	5,300	2,600	1,510	4,001
10.0001 Total	60,800	41,800	44,500	58,433	45,561	43,771
Financing:						
17.0001 Recovery of prior year obligations				-15		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-16,520	-18,883	-15,122
21.4007 Reprograming from/to prior year budget pla	-20					
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				18,883	15,122	15,851
25.0001 Unobligated balance lapsing	20			20		
40.0001 Budget authority (Appropriation)	60,800	41,800	44,500	60,800	41,800	44,500
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				58,433	45,561	43,771
72.4001 Obligated balance, start of year				24,520	48,347	47,704
74.4001 Obligated balance, end of year				-48,347	-47,704	-49,127
77.0001 Adjustments in expired accounts				73		
78.0001 Adjustments in unexpired accounts				-15		
90.0001 Outlays				34,664	46,204	42,348

Mil. Con., Naval Reserve
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) SUMMARY

04 Feb 86

Identification code 17-1235-6-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Major construction						
00.2001 Undistributed	-886	-2,048			-2,232	-423
10.0001 Total	-886	-2,048			-2,232	-423
Financing:						
Unobligated balance available, start of year:						
21.4008 For completion of prior year budget plans						741
21.4007 Reprograming from/to prior year budget pla	886	-925				
23.4001 Unobligated balance reduction: Appropriation		925			925	
Unobligated balance available, end of year:						
24.4008 For completion of prior year budget plans					-741	-318
40.0001 Budget authority (Appropriation)		-2,048			-2,048	
Relation of obligations to outlays:						
71.0001 Obligations incurred, net					-2,232	-423
72.4001 Obligated balance, start of year						-1,828
74.4001 Obligated balance, end of year					1,828	609
90.0001 Outlays					-404	-1,640

.PK Navy

1235n

Mil. Con., Naval Reserve
Object Classification (in Thousands of dollars) SUMMARY

Identification code 17-1235-0-1-051 — 04 Feb 86

		1985 actual	1986 est.	1987 est.
	Direct obligations:			
	Other services:			
125.003	Contracts	2,574	2,283	2,050
125.004	Other	644	571	512
132.001	Lands and structures	55,215	42,707	41,209
199.001	Total Direct obligations	58,433	45,561	43,771
999.901	Total obligations	58,433	45,561	43,771

Mil. Con., Naval Reserve
(Reduction Pursuant to Public Law 99-177)
Object Classification (in Thousands of dollars) SUMMARY

04 Feb 86

Identification code 17-1235-0-1-051	1985 actual	1986 est.	1987 est.
Direct obligations:			
192.001 Undistributed		-2,232	-423
199.001 Total Direct obligations		-2,232	-423
999.901 Total obligations		-2,232	-423

DEPARTMENT OF THE NAVY
MILITARY CONSTRUCTION, NAVAL RESERVE - FY 1987
INSTALLATION INDEX

Installation	1391 Page Number
B	
Barksdale AFB, RNMCB-28, LA	63
Beaver County, RNCFSU-1, PA	65
Brunswick, NAS, RNMCB-27, ME	
C	
Columbus, Rickenbacker Ang, RNMCB-20, OH	65
Corpus Christi, NMCRC, TX	65
D	
Dallas, NAS, TX	55, 65, 66
Detroit, NAF, RNMCB-26, MI	64
F	
Fort Belvoir, RNMCB-23, VA	66
Fort Carson, RNCFSU-2, CO	63
G	
Glenview, NAS, IL	16, 18, 63
Great Lakes, NRC, IL	23
L	
Lakehurst, NAEC, RNMCB-21, NJ	64
Las Vegas, AFRC, NV	41
Long Beach, NMCRC, CA	63
M	
Mobile, NMCRC, AL	62

Installation — **1391 Page Number**

N

New Orleans, NAS, LA 33
New Orleans, NMCRC, LA 28
New Orleans, NSA, LA 63

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Peekskill, Camp Smith, RNMCB-13, NY 64

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Redstone Arsenal, RNMCB-24, AL 62
Richards-Gebaur AFB, RNMCB-15, MO 64

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St. Paul, International Airport, RNCFSU-4, MN 64
Syracuse, MCRC, RNCFSU-3, NY 65

W

Whidbey Island, NAR, WA 60
Willow Grove, NAS, PA 50, 64
Wyoming, MCRC, PA 65

Y

Youngstown, NMCRC, OH 45

1. COMPONENT
NAVY

FY 1987 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AIR STATION GLENVIEW, IL

4. AREA CONSTR COST INDEX
1.07

5. FREQUENCY AND TYPE UTILIZATION
NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH AND ANNUAL ACTIVE DUTY DRILL.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
2 ARMY FACILITIES
1 NAVY FACILITY
1 AIR FORCE FACILITY

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-15	ATT BLDG	17300 SF	2200	8/84	6/86
113-20	ACPT PARK APRON	31600 SY	1900	1/84	4/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
APPROVED FOR UNILATERAL CONSTRUCTION
SEP 85
(Date)

9. LAND ACQUISITION REQUIRED
NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT NO.	TITLE	FY
P-125	CVMF/TRAINING BLDG (4TH MAW)	90
P-915	MESS HALL	91
P-934	ADMIN BLDG	91
P-141	GSE SHOP	91
P-124	TACTICS TRAINING	91
P-136	HANGAR ADDITION	91

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1. COMPONENT NAVY	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AIR STATION GLENVIEW, IL

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	916	50	648	218	2958	565	2393
ACTUAL	955	35	624	296	2453	462	1991

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NAS AGANA GUAM 0772	192	65
NAS GLENVIWE 0173	22	11
NAVSTA ADAK 0172	165	114
NAVSTA MIDWAY 0972	55	48
CVN-69 EISENHOWER 0272	61	48
NAVAIRLANT DET 172	18	17
PATWING 472	17	10
VP 0448	118	75
VP 0122	119	80
VRF-31 COMPONENT 172	10	6
VP-90	327	299
VP-60	327	301
MOBMAINTFAC GLVN 0372	152	84
VR-51	127	116
4MAW MED MACG 48	16	11
MOBASCONTGRP 7272	0	0

13. MAJOR EQUIPMENT AND AIRCRAFT (SEE NEXT PAGE)

TYPE	AUTHORIZED	ASSIGNED
C9B	2	2
P3B	18	17
UC12	1	1
KC130F	6	7
KC130T	6	6
UH1E	6	7

DD FORM 1390s
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1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION GLENVIEW, IL		
4. PROJECT TITLE ATT BLDG AIRCRAFT PARKING APRON		5. PROJECT NUMBER P-920 P-117

VOLTRAUNIT 7272	0	0
NAVAIRSYS 0672	14	9
NAC 0172	21	12
VTU AIRSYSCOM 0872	0	0
NISCPHYS 113	18	17
NISRO 1972	12	11
NISRO 2018	12	12
FIRSTEURLNT 1472	52	48
FIRSTEURLNT 1572	26	43
DEFINTERROG 0372	20	18
VTU INTELLIGENCE 113	0	0
NAS GLENVIEWMED/DENO172	13	0
NORA GLENVIEW 0272	41	20
NORA GLENVIEW 1672	25	15
RECORDS REVIWE NAS GLEN	0	0
* MWCS-48	340	228
* H/HS-48	173	176
* MATCS-48	32	20
* VNGR-234	255	268
* HMS-41	22	67
* HML-776	101	135
* H/MS-49 DET E	55	69
TOTAL	2958	2453

*MARINE CORPS UNITS

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION NAVAL AIR STATION GLENVIEW, IL	4. PROJECT TITLE AVIATION TECHNICAL TRAINING BUILDING

5. PROGRAM ELEMENT 5 51 96 N	6. CATEGORY CODE 171-10	7. PROJECT NUMBER P-920	8. PROJECT COST ($000) 2,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TECHNICAL TRAINING BUILDING..................	SF	17,303	84.21	1,457
SUPPORT FACILITIES............................	LS	—	—	512
Electrical Utilities..........................	LS	—	—	(123)
Mechanical Utilities..........................	LS	—	—	(140)
Site Improvements.............................	LS	—	—	(138)
Roads, Parking, Sidewalks.....................	LS	—	—	(111)
SUBTOTAL......................................	—	—	—	1,969
CONTINGENCY @ (5%)............................	—	—	—	98
TOTAL CONTRACT COST...........................	—	—	—	2,067
SUPERVISION, INSPECTION & OVERHEAD @ (5.5%).........................	—	—	—	114
TOTAL REQUEST.................................	—	—	—	2,181
TOTAL REQUEST (ROUNDED).......................	—	—	—	2,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a one story permanent building with structural steel framing and concrete, heating, air-conditioning and fire sprinkler systems. The structure will contain four classrooms, an electronic workshop, a briefing room/auditorium, technical library and instructor administrative, storage and support spaces.

11. REQUIREMENT: 17,303 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: This project will provide a modern, efficient facility designed to meet the needs of this station's training mission.

REQUIREMENT: This station has two VP squadrons, one VR squadron, one Marine air group and twenty other smaller Naval Reserve units all requiring training department support. The existing semi-permanent WW II structures are not suitable for various training programs. The lack of a 190 seat auditorium anywhere on the station has impaired the training department's ability to provide important classes and GMT.

CURRENT SITUATION: Building 27, the existing classroom and office facility, has a deteriorated and overloaded electical system, a poor ventilation system, and very little air conditioning. The steam heating system is the original one pipe system which is difficult to control and requires constant maintenance. The plumbing is deteriorated and there is no sprinkler system.

IMPACT IF NOT PROVIDED: The training program will continue to be hampered by the lack of functional facilities. With only 16 hours a month available for training a student, every hour wasted in travel to other facilities or by having to wait for the available space is proportionally more important than at a regular navy installation operated on a full time basis.

1. COMPONENT NMCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION GLENVIEW, IL		
4. PROJECT TITLE AVIATION TECHNICAL TRAINING BUILDING		5. PROJECT NUMBER P-920

ADDITIONAL: An economic analysis has not been prepared because of non-quantifiable advantages such as the improvement in moral, learning, and teaching environment. Furthermore, without the proposed facility the station ability to function as a full time air crew training base for the advent of a national emergency will be limited by the constraints of the existing buildings and the ability to commandier comparable existing facilities in the adjacent civilian community.

12. SUPPLEMENTAL DATA:

a. Estimated design data: (Use for Congressional submission only.)

(1) Status:
(a) Date Design Started.................. August 84
(b) Percent Complete as of January 86..... 60%
(c) Percent Complete as of October 1985... 100%
(d) Date Design Complete................... June 86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications...(115)
(b) All Other Design Costs....................(85)
(c) Total.....................................(200)
(d) Contract..................................(180)
(e) In-house..................................(20)

(4) Construction start..........................December 86

b. Equipment associated with this project which will be provided from other appropriations: (Use for all three submissions, where appropriate.)

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

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1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION: NAVAL AIR STATION, GLENVIEW, IL

4. PROJECT TITLE: KC-130 PARKING APRON

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55196	113-20	P-117	1,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADDITION TO SOUTH PARKING APRON..................	SY	31,600	—	1,743
EXCAVATION & REMOVAL OF UNSUITABLE MATERIAL..................................	CY	23,300	4.00	(93)
FILL AND COMPACTION..............................	CY	16,200	12.50	(203)
9" SUBBASE COURSE................................	SY	31,600	4.05	(128)
14" BASE COURSE..................................	SY	31,600	5.95	(188)
11" CONCRETE PAVEMENT............................	SY	31,600	31.00	(980)
MISCELLANEOUS SITE WORK..........................	LS	—	—	(92)
TAXIWAY EDGE LIGHTING............................	LS	—	—	(59)
SUBTOTAL...	—	—	—	1,743
CONTINGENCY (5%).................................	—	—	—	87
TOTAL CONTRACT COST..............................	—	—	—	1,830
SUPV, INSPECTION & OVERHEAD (5.5%)...............	—	—	—	101
TOTAL REQUEST....................................	—	—	—	1,931
TOTAL REQUEST (ROUNDED)..........................	—	—	—	1,900

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction will consist of excavation and removal of unsuitable material, fill and compaction,sub-base course, base course, concrete pavement and taxiway edge lighting.

11. REQUIREMENT: 215,134 SY ADEQUATE: 183,534 SUBSTANDARD: 88,750

PROJECT: Construct additional aircraft parking apron and taxiway.

REQUIREMENT: This activity has been tasked with providing facilities for four new KC-130 aircraft assigned to MACG-48.

CURRENT SITUATION: The Marine Corps Reserve Fuel ramp is sized to accommodate six KC-130 refuelers. Twelve aircraft are presently using the ramp under a ground operations safety wavier. The Fourth Marine Air Wing refueling mission has significantly increased under current contingency plans and confirms the long term assignment of the 12 aircraft. In addition, two additional KC-130 are projected for arrival in FY-86.

IMPACT IF NOT PROVIDED: The present shortage of parking apron has resulted in the use of taxi-ways for parking space. This causes aircraft to be frequently re-spotted and aircraft to taxi to assigned parking spaces by circuitous routes. This situation hampers both ground and flight operations. It creates possibilities of multi-aircraft damage in the event of a single refueler aircraft initiated fire and increases the risk of a ground collision due to limited ground maneuvering room. Valuable training time is lost when aircraft must be respotted to permit fueling and defueling operations.

1. COMPONENT N&MCR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION GLENVIEW, IL		
4. PROJECT TITLE KC-130 PARKING APRON		5. PROJECT NUMBER P-117

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................... January 84
(b) Percent Complete as of January 1986.... 95%
(c) Percent Complete as of October 1986.... 100%
(d) Date Design Complete.................. April 86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) + (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications...(30)
(b) All Other Design Costs....................(23)
(c) Total.....................................(53)
(d) Contract..................................(13)
(e) In-house..................................(40)

(4) Construction start...........................December 86

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

1. COMPONENT
N&MCR

FY 19 87 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL RESERVE CENTER
GREAT LAKES, IL

4. AREA CONSTR COST INDEX
1.09

5. FREQUENCY AND TYPE UTILIZATION
FIVE DAYS PER WEEK PLUS TWO WEEKENDS PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
1 MARINE CORPS RESERVE CENTER
2 ARMY RESERVE CENTERS
1 COAST GUARD RESERVE
1 NATIONAL GUARD
1 AIR NATIONAL GUARD

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
155-21	ASSAULT CRAFT UNIT	9000 SF	700	6/85	7/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
APPROVED FOR UNILATERAL CONSTRUCTION
9 SEP 85
(Date)

9. LAND ACQUISITION REQUIRED
NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS
P-030 RESERVE CENTER FY-89

1. COMPONENT N&MCR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL RESERVE FACILITY
GREAT LAKES, IL

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	49	4	43	2	1734	305	1429
ACTUAL	49	4	43	2	752	224	528

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
SUBBASE PEARL DET 113	59	58
MOMOG DET 1813	18	12
MOBILE TECH UNIT 2	16	13
MOBDIVSALV UNT 2	26	20
FLTSUPTRA 2013	17	0
FTG GTMO 213	41	26
FTG NORVA 313	38	31
FTG PEARL 113	27	24
CARGO BN 7 HQ 713	55	48
CARGO HD BN 7 DET A	16	12
ACU-1 LCM6 DET 1613	87	64
4 MAP REF 713	27	9
4 MARDIV 2/24 DET W	11	7
MOBANTSUBCONTGRP 1314	0	17
RNMCB 25 DET 0825	1	37
2ND RNCB	64	8

13. MAJOR EQUIPMENT AND AIRCRAFT

(SEE NEXT PAGE)

TYPE	AUTHORIZED	ASSIGNED
STATION WAGON	1	1
SEDAN	1	1

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1. COMPONENT		2. DATE
N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL RESERVE FACILITY GREAT LAKES, IL		
4. PROJECT TITLE ASSAULT CRAFT UNIT MAINT FACILITY		5. PROJECT NUMBER P-009

MOBILE CONST BATT 25	751	5
NCSO CHICAGO 413	45	35
NRMTF GREAT LAKES HQ 113	85	71
DIRNSA FMDE 1013	37	29
WEAPSTA YORKTOWN HQ 113	4	6
PERSMOBTM 1813	29	22
DCNO 0906 113	13	11
NH GLAKES 313	94	71
NDCL GLAKES 113	29	25
CMCHS COORD TEAM 113	10	5
NAVMEDCOM NE REG DET 413	5	4
LSO GLAKES 113	8	7
OI DET 613	12	10
NAVINFO MIDWEST CHI 113	16	13
HOMETOWN NEWSCENTER 113	10	0
NAVFAC EAST	15	5
NAVELEX HQ 213	18	19
COM SECOND FLT STAFF	14	14
CINCUNSNAVEUR DET 0513	36	14
TOTAL	1734	752

1. COMPONENT
[illegible]

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL RESERVE CENTER
GREAT LAKES, IL

4. PROJECT TITLE
ASSAULT CRAFT UNIT MAINT FACILITY

5. PROGRAM ELEMENT
55 08 6Q

6. CATEGORY CODE
155-21

7. PROJECT NUMBER
P-008

8. PROJECT COST ($000)
700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ASSAULT CRAFT MAINT FAC..	—	—	—	503
MAINT FAC BUILDING..	SF	9,000	55.89	(503)
SUPPORT FACILITY..	—	—	—	111
ELECTRICAL UTILITIES..	LS	—	—	(38)
MECHANICAL UTILITIES..	LS	—	—	(42)
FLAME STORAGE SHED..	LS	—	—	(5)
SPECIAL CONSTRUCTION FEATURE-RAILWAY FOUND..	—	—	—	(26)
SUBTOTAL..	—	—	—	614
CONTINGENCY (5%)..	—	—	—	31
TOTAL CONTRACT COST..	—	—	—	645
SUPV, INSPECTION & OVERHEAD (5.5%)........................	—	—	—	36
TOTAL REQUEST..	—	—	—	681
TOTAL REQUESTED (ROUNDED)..	—	—	—	700

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A pre-engineered steel frame building for a maintenance facility with provisions for flammable storage, toilet, locker, and shower facilities, overhead crane, stock room, tool room, workshop and small office.

11. REQUIREMENT: 9,000 SF ADEQUATE: 0 SF INADEQUATE: 853 SF

PROJECT: Provides a pre-engineered steel frame building to house and maintain two LCMs after they are brought ashore for maintenance.

REQUIREMENT: Project is required to provide adequate facilities for the operation, maintenance, and training of ACU DET 1613 on a year round basis.

CURRENT SITUATION: The Naval Reserve Assault Craft Unit, Det 1613 present facilities consist of an 840 SF trailer and 13 SF of tool and paint storage space. Toilet facilities are provided by a rented Porta-John. These facilities are totally inadequate to support the training mission of this unit and the lack of satisfactory facilities are severely impacting unit morale and retention. The unit's assault craft must be maintained outdoors and because of the severe mid-west winter weather, maintenance is curtailed stopping training operations. This new facility provides required in-door and covered space to allow year-round performance of unit mission.

IMPACT IF NOT PROVIDED: Performance of mission will continued to be curtailed due to the lack of adequate facilities.

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1. COMPONENT		2. DATE
N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	14 FEB 1986

3. INSTALLATION AND LOCATION	
NAVAL RESERVE CENTER, GREAT LAKES, IL	
4. PROJECT TITLE	5. PROJECT NUMBER
ASSAULT CRAFT UNIT MAINTENANCE FACILITY	P-009

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.........................June 85
(b) Percent Complete as of January 1986.......40%
(c) Percent Complete as of October 1986.......60%
(d) Date Design Complete........................July 86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X__
(b) Where Design Was Most Recently Used: __________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications...(27)
(b) All Other Design Costs......................(27)
(c) Total...(54)
(d) Contract......................................(45)
(e) In-house......................................(9)

(4) Construction start...........................December 86

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

1. COMPONENT N&MCR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER
NEW ORLEANS, LA

4. AREA CONSTR COST INDEX
.94

5. FREQUENCY AND TYPE UTILIZATION
FIVE DAYS PER WEEK PLUS TWO WEEKENDS AND FOUR WEEKDAY NIGHTS PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
2 ARMY RESERVE CENTERS
1 AIR NATIONAL GUARD
1 LA NATIONAL GUARD
1 NAVAL SUPPORT ACTIVITY

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-15	RESERVE TRAINING BLDG ALTERATION	31000 SF	700	6/85	7/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
APPROVED FOR JOINT CONSTRUCTION
5 DEC 84
(Date)

9. LAND ACQUISITION REQUIRED
NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS
NONE

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PAGE NO 25

1. COMPONENT N&MCR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER
NEW ORLEANS, LA

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	55	6	47	2	1020	218	802
ACTUAL	54	6	47	2	832	162	670

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	 ACTUAL
COMSUBGRU 6 310	25	14
FTG SAN DIEGO 310	13	13
CARGO HDEN 13 HQ 110	55	43
CARGO HBREG STAFF 10	18	14
4 MAF REL 510	18	11
4 MARDIV 3/23	24	13
FSSG H&G DEN CO	12	0
RNMCB 28 DET 0628	1	55
SPECBOAT UNIT 22	181	136
COMSC GULF 110	56	30
NCSO NOLA 110	49	37
SIMA SAN DIEGO 210	68	71
SECGRUACT FT MEADE	42	35
COAST DEFCRDCOMP 1610	34	18
NAVSUPPACT NOLA 110	10	8
NAVCOMSTA STKTN CA 310	12	26

13. MAJOR EQUIPMENT AND AIRCRAFT (SEE NEXT PAGE)

TYPE	AUTHORIZED	ASSIGNED
0210 STATION WAGON	1	1
M 718 JEEP	1	1
1 1/4 TON TRUCK	1	1
M 151 JEEP	2	2
M 416 TRAILER	0	2
MRC 109 JEEP	2	2
M 149 WATER BULL	1	1
MRC 138 JEEP	1	1
M 35A2 TRUCK	5	5
M 105 TRLR	2	1

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER NEW ORLEANS, LA		
4. PROJECT TITLE RESERVE TRAINING BLDG ALTERATIONS		5. PROJECT NUMBER P-052

PERSMOBTM 1410	29	27
NAVMEDCL NOLA 110	53	33
ASBLG 110 HQ	38	40
MER MARINE OP UNIT 310	10	7
LSO PENSACOLA 110	7	11
FLT SUPTRA 1510	13	0
NAVDAC NOLA 110	33	19
H&S CO 3 BN 23 MAR (LSMCR)	219	171
TOTAL	1020	832

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1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER NEW ORLEANS, LOUISIANA	4. PROJECT TITLE RESERVE TRAINING BUILDING ALTERATION

5. PROGRAM ELEMENT 55096N	6. CATEGORY CODE 171-15	7. PROJECT NUMBER P-052	8. PROJECT COST ($000) 700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY............................	SF	31,000	20.35	663
ADMINISTRATIVE AREA.........................	SF	31,000	17.81	(428)
BUILT-IN EQUIPMENT..........................	LS	—	—	(203)
SUB-TOTAL...................................	—	—	—	631
CONTINGENCIES 5%	—	—	—	32
TOTAL CONTRACT COST.........................				663
SUPERVISION, INSP. & OVERHEAD (5.5%)........				36
TOTAL REQUEST...............................	—	—	—	699
TOTAL REQUESTED ROUNDED.....................	—	—	—	700

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project provides modernization and alteration of an existing two-story training building. Air conditioning - 130 tons.

11. REQUIREMENTS: 52,820 SF; ADEQUATE: 21,820 SF; SUBSTANDARD: 31,000

PROJECT: Provide for upgrading the interior spaces and a central heating, ventilating and air conditioning system (HVAC).

REQUIREMENT: To provide adequate facilities to support training, administration and recruiting of personnel and units of the Naval and Marine Corps Reserve.

CURRENT SITUATION: The Reserve Center is located in a high visibility location that serves as a training site for active and drilling Reservists in the New Orleans area. The building was constructed in 1951 and consists of head shed and Butler building type construction. The Marine wing, classrooms, and generally all of the second floor of the head shed area are air conditioned by window type air conditioners, which were added over the years, and is considered inadequate for environmental control. The heating system is in need of repairs and modernization.

IMPACT IF NOT PROVIDED: If these facilities are not upgraded, it will have a serious impact on retention and morale of Reservists. These will have a direct impact on the ability of units to be manned and trained for mobilization. The lack of a modern HVAC system will continue to cause increased maintenance expenditures. An out-moded room configuration will continue to result in inefficient training.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER, NEW ORLEANS, LA		
4. PROJECT TITLE RESERVE TRAINING BUILDING ALTERATION		5. PROJECT NUMBER P-052

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started.......................	June 85
(b) Percent Complete as of January 1986......	35%
(c) Percent Complete as of October 1986......	100%
(d) Date Design Complete......................	July 86

(2) Basis:

(a) Standard or Definitive Design: Yes___ No X

(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications.....	(35)
(b) All other Design Costs......................	(45)
(c) Total.......................................	(80)
(d) Contract....................................	(70)
(e) In-house....................................	(10)

(4) Construction start...............................December 86

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION NEW ORLEANS, LA		4. AREA CONSTR COST INDEX 1.00

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE DRILL WEEKENDS PER MONTH AND ANNUAL ACTIVE DUTY DRILL

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

TWO NAVY FACILITIES

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
136-10	APPROACH LIGHT SYSTEM	4500 LF	2200	6/84	6/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

RECOMMEND UNILATERAL CONSTRUCTION

3/85
(Date)

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT NO.	TITLE	FY
P-403	ENGINE SHOP	88
P-272	TRAINING/MAINT	89
P-196	REFUELER VEHICLE MAINT	91
P-352	ORDNANCE COMPLEX	91
P-388	FLIGHT LINE SECURITY	91
P-360	RUNWAY CENTERLINE LIGHTS	91

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S/N [illegible] Page 1 of 2

1. COMPONENT NAVY	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AIR STATION NEW ORLEANS, LA

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	876	37	625	214	1468	361	1107
ACTUAL	889	26	631	232	995	312	683

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NAS NEW ORLEANS 3682	35	28
CARRIER GROUP 0282	37	27
TRAWING 1 DET 182	14	9
TRAWING 5 DET 282	16	15
TRAWING 6 DET 382	10	10
FLEET AIR MED 1082	5	10
VA-2082	61	31
VP-5056	124	65
VR-24 COMP 182	7	5
ASWOC 682	28	11
VP-94	332	297
MOBMAINTFAC NOLA 0582	152	0
4MAW MED HQ BR	15	9
4MAW MED MAG 46 DET B	18	11
ATTACK SQUADRON 204	174	131
MOBASCONTGRP 8282	0	0

13. MAJOR EQUIPMENT AND AIRCRAFT (SEE NEXT PAGE)

TYPE	AUTHORIZED	ASSIGNED
A7B	12	13
P3B	3	6
P3A	6	4
T39	2	2
UC12B	2	2
UH1N	14	15

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION NEW ORLEANS, LA		
4. PROJECT TITLE APPROACH LIGHTING SYSTEM		5. PROJECT NUMBER P-366

VOLTRAUNIT	0	0
NARF PENSACOLA 0582	14	13
NICOPSMGT 310	18	17
NISRO 2310	12	11
NISRO 2182	12	11
NISRO 2210	12	12
FIRSTEURLNT 1282	52	37
FIRSTEURLNT 1182	27	42
VTU INTELLIGENCE 109	0	0
NORA NEW ORLEANS 1482	34	13
RECORDS REVIWE NAS NOLA	0	0
*H/MS-46 DET B	67	43
*HML-767	101	83
*MWHS-4	91	54
TOTAL	1468	995

*MARINE CORPS UNIT DESIGNATION

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION NAVAL AIR STATION NEW ORLEANS, LOUISIANA	4. PROJECT TITLE APPROACH LIGHTING SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
5 5196N	136-10	P-366	2200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
APPROACH LIGHTING SYSTEMS..............................	LF	4500	—	1606
RUNWAY 4....................................	LF	3000	LS	(763)
RUNWAY 22....................................	LF	1500	LS	(559)
APPROACH VAULT-INCLUDING EQUIPMENT.........	SF	1300	LS	(284)
SUPPORTING FACILITIES..................................	—	—	—	386
ELECTRICAL UTILITIES...............................	LS	—	—	(48)
PILING..	LS	—	—	(25)
ROADS, RUNWAY 4..................................	LF	4550	48.79	(222)
ROADS, RUNWAY 22..................................	LF	1500	60.70	(91)
SUBTOTAL..	—	—	—	1992
CONTINGENCY (5%)..................................	—	—	—	100
TOTAL CONTRACT COST....................................	—	—	—	2092
SUPV, INSP & OVERHEAD (5.5%).....................	—	—	—	115
TOTAL REQUEST..	—	—	—	2207
TOTAL REQUEST (ROUNDED)..............................	—	—	—	2200

10. DESCRIPTION OF PROPOSED CONSTRUCTION

CONSTRUCTION: Project will provide two Category I Precision Approach Lighting Systems with Sequence Flashing Lights (Type ALS/SFL-I). The system for Runway 4 will be 3,000 feet long and the system for Runway 22 will be 1500 feet long. The systems consist of approach and runway threshold lights, approach centerline lights, sequence flashing lights, isolation transformers, regulators, power and control circuitry, series lighting circuits and emergency generator with an automatic transfer switch. One approach lighting vault will be provided to house power equipment, controls and the emergency generator for both approach lighting systems. Vault will be one story, 1300 square feet, concrete masonry with standing seam roof. Foundations for transformers and vault will require pile support. Extensive excavation of existing unsuitable material is required to construct road and light base foundations.

11. REQUIREMENTS: 4,500 LF ADEQUATE: 0 LF SUBSTANDARD: 1,500 LF

PROJECT: Air Operations at NAS New Orleans include aircraft from Navy, Marine, AFRES, LAANG, ADC, Coast Guard and U.S.Customs organizations. This project will provide approach lighting to allow the pilots to see the runway when making an approach for landing during periods of reduced visibility thereby improving the operational safety for aircraft and crew during approach and landing operations.

CONSTRUCTION REQUIREMENT: Construct a lighting system specifically designed as a precision approach visual navigational aid that will provide

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, NEW ORLEANS, LA

4. PROJECT TITLE APPROACH LIGHTING SYSTEM - RUNWAY 4 AND 22	5. PROJECT NUMBER P-366

constant, reliable flight training and aircraft operations to the visibility ceilings of Category I limits (minimum down to 100 feet Height Above Touchdown (HAT) and 1/4 mile visibility or a Runway Visual Range (RVR) of 1,200 feet.

CURRENT SITUATION: Present approach lighting is a substandard, obsolete system. The existing approach light system on Runway 4 does not provide sufficient visibility for precision approach operations during periods with minima less than 250 feet HAT and 1/2 mile visibility or an RVR of 2,400 feet. Runway 22 does not have an approach lighting system.

IMPACT IF NOT PROVIDED: The absence of a precision approach lighting system jeopardizes the safety of aircraft and crew from the point where transition from instrument flight to visual reference is initated. In addition, operational funds will continue to be lost when, because of inclement weather and a lack of high intensity approach lights, aircraft are diverted to other airfields or forced to circle until weather clears.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design started....................... June 84
(b) Percent Complete as of January 1986...... 100%
(c) Percent Complete as of October 1986...... 100%
(d) Date Design Complete...................... June 85

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.....(90)
(b) All Other Design Costs......................(27)
(c) Total.......................................(117)
(d) Contract....................................(105)
(e) In-house....................................(12)

(4) Construction start..............................December 86

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

1. COMPONENT
N&MCRC

FY 19 87 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER
SAGINAW, MI

4. AREA CONSTR COST INDEX
1.02

5. FREQUENCY AND TYPE UTILIZATION
FIVE DAYS PER WEEK AND ONE WEEKNIGHT PLUS TWO WEEKENDS PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
1 ARMY RESERVE
3 NATIONAL GUARD
1 COAST GUARD RESERVE
1 MARINE CORPS RESERVE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-15	RESERVE TRAINING BUILDING	32895 SF	3600	6/83	5/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
APPROVED FOR JOINT CONSTRUCTION
9 MAY 1984
(Date)

9. LAND ACQUISITION REQUIRED
NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS
NONE

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1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
N&MCR		14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER
SAGINAW, MI

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	20	2	18	0	318	22	296
ACTUAL	19	2	17	0	391	23	368

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
AD-44 SHENANDOAH 313	62	59
FF-1059 W S SIMS 5913	51	44
LST 1188 SAGINAW 0813	66	55
RNMCB 26 DET 1126	1	75
SHREP FAC SUBIC	19	28
WEAP STA YORKTOWN D 0113	32	25
NH GLAKES 913	22	17
MOBASCONT GRP 1323	0	20
1ST PLT (FT:H) CO B 1/24 (USMCR)	65	68
TOTAL	318	391

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
JEEP M 151	1	1
TRAILER M 416	1	1
STATION WAGON	1	1

1. COMPONENT NMCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION ARMED FORCES RESERVE CENTER SAGINAW, MICHIGAN		4. PROJECT TITLE RESERVE TRAINING BUILDING	
5. PROGRAM ELEMENT 55096Q	6. CATEGORY CODE 171-15	7. PROJECT NUMBER P-001	8. PROJECT COST ($000) 3,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
NAVY & MARINE CORPS RESERVE TRNG BLDG........	SF	32,895	75.00	2,467
SUPPORT FACILITIES............................	—	—	—	753
ENGINEERED FILL............................	LS	—	—	(152)
ELECTRICAL FACILITIES......................	LS	—	—	(79)
MECHANICAL UTILITIES.......................	LS	—	—	(65)
PARKING....................................	SY	3,715	16.41	(64)
SITE IMPROVEMENTS..........................	LS	—	—	(230)
DEMOLITION (SAGINAW).......................	LS	—	—	(163)
SUBTOTAL......................................	-	—	—	3,220
CONTINGENCY (5%)...........................	-	—	—	161
TOTAL CONTRACT COST...........................	-	—	—	3,381
SUPER., INSP. & OVERHEAD (5.5%)............	-	—	—	186
TOTAL REQUEST.................................	-	—	—	3,567
TOTAL REQUEST (ROUNDED).......................	-	—	—	3,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION

New one and two story insulated masonry wall bearing structure with single-ply membrane insulated roof system on metal decking and steel framing. Built on existing site on elevated engineered fill. Includes demolition of old Reserve Center facilities in Saginaw. The new facility will house Training/Administrative areas, a Rifle Range and an Armory. It will also include a Garage with Flammable Storage and a Vehicle Maintenance Facility. Air conditioning included.

11. REQUIREMENT: 32,895 SF; ADEQUATE: 0 SF; INADEQUATE: 580 SF SUBSTANDARD: 26,580 SF

PROJECT: Provides the Navy and Marine Corps portion of a joint Armed Forces Training Center in Saginaw, MI.

REQUIREMENT: Adequate training, administrative and recruiting facilities for the Army, Navy and Marine Corps Reserve Units in Saginaw, Michigan are required to support the mission of maintaining the Reservists' technical readiness and to present a suitable image of current military goals to reinforce recruitment efforts. The provision of a consolidated facility will result in increased efficiency and reduce maintenance and operating costs.

CURRENT SITUATIONS: The Navy and Marine Corps Reserve Units presently meet at their respective existing Reserve Centers in Saginaw and Flint. These centers have been in use since completion in 1948 and, having exceeded the normal 25 year life expectancy in 1973, are visibly obsolescent. They have numerous building and life safety code violations and poorly functioning heating systems without adequate insulated energy efficient construction.

1. COMPONENT NAMCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION ARMED FORCES RESERVE CENTER, SAGINAW, MI		
4. PROJECT TITLE RESERVE TRAINING BUILDING		5. PROJECT NUMBER P-001

Noise and dust from one training unit often impacts on other units due to lack of proper separation of functions.

IMPACT IF NOT PROVIDED: Both components will continue to meet at the existing facilities and be required to operate in inefficient structures with duplicate spaces and severe maintenance needs.

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started........................ June 83
(b) Percent Complete as of January 1986....... 95%
(c) Percent Complete as of October 1986....... 100%
(d) Date Design Complete....................... May 86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ___________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.....(195)
(b) All Other Design Costs.....................(96)
(c) Total.......................................(291)
(d) Contract....................................(255)
(e) In-house....................................(36)

(4) Construction start.............................December 86

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

1. COMPONENT N&MCR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER
LAS VEGAS, NV

4. AREA CONSTR COST INDEX
1.13

5. FREQUENCY AND TYPE UTILIZATION
FIVE DAYS PER WEEK PLUS ONE WEEKEND PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
1 MARINE CORPS RESERVE
1 ARMY NATIONAL GUARD

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-15	RESERVE CENTER ADDITION	8194 SF	1000	4/85	6/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
APPROVED FOR UNILATERAL CONSTRUCTION
23 APRIL 84
(Date)

9. LAND ACQUISITION REQUIRED
NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS
NONE

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1. COMPONENT N&MCR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER
LAS VEGAS, NV

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	17	2	15	0	305	21	284
ACTUAL	17	2	15	0	337	24	313

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
AR-8 JASON DET	30	39
CARGO HDBN 14 DET D 119	16	10
4 MARDIV 2/23 DET F	11	5
RNMCB 17 DET 0417	1	61
SIMA SDGO 1119	49	76
PERSUPPDET 219	17	7
NH SDIEGO	17	14
PLT HOSP CBTZ 19-1	73	44
WEAPS PLT COF 2/23 (USMCR)	91	81
TOTAL	305	337

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
JEEP M 151	1	1
TRAILER M 416	1	1
VAN	0	1
CARRYALL	1	2

1. COMPONENT N&MCR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION ARMED FORCES RESERVE CENTER LAS VEGAS, NV	4. PROJECT TITLE RESERVE CENTER ADDITION

5. PROGRAM ELEMENT 55096	6. CATEGORY CODE 171-15	7. PROJECT NUMBER P-895	8. PROJECT COST ($000) 1,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RESERVE CENTER ADDITION......................	SF	8,194	—	656
TRAINING....................................	SF	(7,270)	89.13	(577)
COMBAT VEHICLE MAINTENANCE FAC.............	SF	(924)	95.00	(78)
RESTR. ADJACENT/REHAB VACATED SPACES.........	SF	1,500	30.00	45
SUPPORT FACILITIES...........................	—	—	—	168
UTILITIES..................................	LS	—	—	(49)
SITE IMPROVEMENT...........................	LS	—	—	(48)
SIDEWALKS & PARKING........................	LS	—	—	(31)
DEMOLITION.................................	LS	—	—	(30)
INTRUSION ALARM (VAULT)....................	LS	—	—	(10)
SUBTOTAL.....................................	—	—	—	869
CONTINGENCY (5%)...........................	—	—	—	43
TOTAL CONTRACT COST..........................	—	—	—	912
SUPV, INSP & OH (5.5%).....................	—	—	—	50
TOTAL REQUEST................................	—	—	—	962
TOTAL REQUEST (ROUNDED)......................	—	—	—	1,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct an additional wing to an existing Armed Forces Reserve Center and construct a combat vehicle maintenance facility. New construction will match interior load bearing features and exterior appearance of the existing Armed Forces Reserve Center. Includes total requirements for administration, recruiting, training, storage, locker rooms, toilet/shower facilities and vehicle maintenance with required paving.

11. REQUIREMENT: 8,194 SF ADEQUATE: 0 SF SUBSTANDARD: 2,695 SF

PROJECT: Construct an addition to an existing Armed Forces Reserve Center and a vehicle maintenance facility for use of the Marine Corps Reserve.

REQUIREMENT: Modern training and administrative space is required to support the mission of the Las Vegas Marine Corps Reserve unit.

CURRENT SITUATION: The space available to support the operation of the Marine Corps Reserve unit at the Armed Forces Reserve Center, Las Vegas, NV does not provide enough space and the space available is of a substandard classification. Part of the space is located in a temporary area constructed within the AFRC assembly hall and the remainder of this is divided between a house trailer and a butler building.

IMPACT IF NOT PROVIDED: The Marine Corps Reserve unit would continue to train in facilities that are too small and substandard which prevent the most effective use of both manpower and equipment and could adversely affect the training and mobilization readiness of the Marine Corps Reserve unit.

1. COMPONENT N&MCR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION ARMED FORCES RESERVE CENTER, LAS VEGAS, NV		
4. PROJECT TITLE RESERVE CENTER ADDITION		5. PROJECT NUMBER P-895

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started........................ April 85
(b) Percent Complete as of January 1986....... 45%
(c) Percent Complete as of October 1986....... 100%
(d) Date Design Complete...................... June 86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.....(53)
(b) All Other Design Costs.....................(52)
(c) Total......................................(105)
(d) Contract...................................(90)
(e) In-house...................................(15)

(4) Construction start...........................December 86

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
N&MCR

FY 19 87 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER
YOUNGSTOWN, OH

4. AREA CONSTR COST INDEX
.99

5. FREQUENCY AND TYPE UTILIZATION
FIVE DAYS PER WEEK PLUS TWO WEEKENDS PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
ONE ARMY RESERVE
ONE AIR FORCE RESERVE
ONE ARMY NATIONAL GUARD

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-15	RESERVE TRAINING BUILDING	38375 SF	3600	5/85	12/8

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
APPROVED FOR JOINT CONSTRUCTION
18 MAY 83
(Date)

9. LAND ACQUISITION REQUIRED
NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS
NONE

1. COMPONENT N&MCR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE CENTER
YOUNGSTOWN, OH

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	18	2	16	0	364	34	330
ACTUAL	18	2	16	0	486	28	458

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
AR-5 VULCAN DET 505	41	69
FF6-6 J A FURER 605	52	65
RNMCB 20 DET 0620	1	64
PERSMOBTM 705	29	40
NM PTSMTH 505	30	26
CMIDEASTFOR 105	28	22
MNE PLT H&SCO H&SBN 4 FSSG (USMCR)	183	200
TOTAL	364	486

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
VAN WAGON	1	1
M35A2C 2 1/2 TON TRUCK	1	1
M 105 TRAILER	1	1
M 880 PICKUP	1	1
M 008 CUCV PICKUP	1	0
MCRTL FORKLIFT (6000 LB)	2	2
MC FORKLIFT (4000 LB)	2	2

1. COMPONENT NMCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER YOUNGSTOWN, OHIO	4. PROJECT TITLE RESERVE TRAINING BUILDING

5. PROGRAM ELEMENT 53896N	6. CATEGORY CODE 171-15	7. PROJECT NUMBER P-232	8. PROJECT COST ($000) 3,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
NAVAL AND MARINE CORPS RESERVE CENTER.........	SF	38,375	—	2683
RESERVE TRAINING BUILDING....................	SF	35,971	69.31	(2493)
VEHICLE MAINTENANCE FACILITY.................	SF	2404	79.10	(190)
SUPPORTING FACILITIES........................				531
ELECTRICAL UTILITIES.........................	LS	—	—	(88)
MECHANICAL UTILITIES.........................	LS	—	—	(73)
ROADS, PAVING, & SIDEWALKS...................	LS	—	—	(78)
SITE IMPROVEMENT.............................	LS	—	—	(102)
OPERATING & MAINTENANCE SUPP INFO............	LS	—	—	(44)
DEMOTITION...................................	—	—	—	(146)
SUBTOTAL.....................................				3214
CONTINGENCY (5%).............................				161
TOTAL CONTRACT COST..........................				3375
SUPERVISION INSPECTION & OVERHEAD (5.5%).....				186
TOTAL REQUEST................................				3561
TOTAL REQUEST (ROUNDED)......................				3600

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two floor reinforced concrete and masonry building built for energy conservation and low maintenance cost. Total area includes spaces for: garage, library, offices, classrooms, toilets, lounge, conference room, storage, armory, medical, assembly hall, audio-visual training center and vehicle maintenance shop.

11. Requirement 38,375 SF Adequate 0 SF Substandard 41,570 SF

PROJECT: Provide adequate facilities for a Naval and Marine Corps Reserve Center in Youngstown, OH.

REQUIREMENT: Adequate training and recruiting facilities for the Navy and Marine Corps Reserve units in Youngstown, Ohio are required to support the mission of maintaining the Reservists' technical readiness and to present a suitable image of current military goals to reinforce recruitment efforts.

CURRENT SITUATION: The existing Reserve training center is located in 36 year-old buildings of semi-permanent (Quonset Hut) construction. The buildings are not constructed or insulated for conservation of energy. The existing facility does not conform to present training requirements. The existing facility is larger than required, but many of the spaces are not compatible with present requirements. The facility interior is of wood construction in many areas and is not protected by sprinklers. The windows are in poor condition and a source of high heat loss. The roof is starting to develop leaks and will need major repairs in the near future. There are problems with the existing heating and utility system.

IMPACT IF NOT PROVIDED: Naval Reservists and the Marine Corps Reservists at Youngstown, OH, will continue to operate from substandard facilities that do not provide adequate training facilities.

U.S. Government Printing Office [illegible]

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE CENTER, YOUNGSTOWN, OH		
4. PROJECT TITLE RESERVE TRAINING BUILDING		5. PROJECT NUMBER P-232

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started........................ May 85
(b) Percent Complete as of January 1986........ 35%
(c) Percent Complete as of October 1986....... 100%
(d) Date Design Complete...................... December 86

(2) Basis:
(a) Standard or Definitive Design: Yes___ No X
(b) Where Design Was Most Recently Used: ______

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.....(146)
(b) All Other Design Costs......................(114)
(c) Total.......................................(260)
(d) Contract....................................(240)
(e) In-house....................................(20)

(4) Construction start...............................March 87

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

1. COMPONENT NAVY	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION WILLOW GROVE, PA		4. AREA CONSTR COST INDEX 0.98

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS THREE WEEKENDS PER MONTH AND TWO WEEKS OF ANNUAL ACTIVE DUTY DRILL

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

SEVEN NAVY FACILITIES
NINE ARMY FACILITIES
TWO MARINE FACILITIES

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-05	ACFT MAINT	58,251 SF	8000	9/85	12/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

APPROVED FOR UNILATERAL CONSTRUCTION 6/84 (Date)

9. LAND ACQUISITION REQUIRED NONE (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT NO.	TITLE	FY
P-208	AICUZ	88
P-167	OPS/TERMINAL	88
P-165	BOQ	89
P-162	MABS HDQTRS/MAINTENANCE	90
P-191	SUPPLY WAREHOUSE	91

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S/N 0102-LF-001-3900 Page 1 of 2

1. COMPONENT NAVY	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AIR STATION WILLOW GROVE, PA

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	936	45	673	218	3083	602	2481
ACTUAL	890	36	638	216	2407	577	1830

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
LANTFLT AVU 193	45	35
NAS BERMUDA 0693	335	47
NAS WILLOW GROVE 1993	43	34
NAS GTMO BAY 0193	80	16
NS ROOSEVELT ROADS 0193	29	0
NAVSTA KEFLEVIK 0293	216	0
CV-66 AMERICA 0193	172	136
PATROL WING 593	22	20
NAVAIRLANT DET 293	20	18
CMSRF SIXTH FLT 193	24	24
VP-2644	75	55
VRF-31 COMPONENT 393	7	6
HS-1535	42	42
VP-64	327	308
VP-66	327	297
VR-52	127	99

(SEE NEXT PAGE)

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C9	2	0
P3A	18	20
SH3D	6	7
UC12	1	1
A4E	10	14
CH53A	6	7
OV10A	1	0

1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION WILLOW GROVE, PA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR		5. PROJECT NUMBER P-190

HELO ANTISUBRON 75	125	99
MOBASCONTGRP 9393	0	0
VOLTRAUNIT 9393	0	0
NADC WARMINSTER 0293	14	12
NADC WARMINSTER 0193	36	36
NATC NAS PAX RIVER 0193	109	75
VTU AIRSYSCOM 493	0	0
NAVOPINTCEN 0102	20	18
NISRO 0502	14	8
NAVOPINTCEN 0402	21	19
NISCPROD 0104	15	13
NISCSYSSUP 0102	25	21
NISRO 0602	22	17
NISRO 0893	18	16
FIRSTEURLANT 593	25	46
FIRSTEURLANT 302	32	47
FIRSTEURLANT 302	24	36
DIAHQ 193	23	19
VTU INTELLIGENCE 104	0	0
VTU INTELLIGENCE 102	0	0
BRDCL 0193	12	11
BRMEDCL 0193	16	14
4MAW MED MAG 49	18	14
NORA WILLOW GROVE 1093	40	26
RECORDS REVIEW NAS WILLOW	0	0
*H/MS-49	118	128
*HMH-772	41	134
*MABS-48	147	184
*VMA-131	106	182
*H/MS-42 DET E	80	37
*MATCS-48 DET B	91	58
TOTAL	3083	2407

*MARINE CORPS UNITS

1. COMPONENT USMCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION NAVAL AIR STATION WILLOW GROVE, PA	4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR

5. PROGRAM ELEMENT 55196	6. CATEGORY CODE 211-05	7. PROJECT NUMBER P-190	8. PROJECT COST ($000) 8,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE HANGAR..................	SF	58,251	—	5267
CORROSION CONTROL AREA.......................	SF	35,000	96.00	(3360)
MAINTENANCE AREA.............................	SF	23,251	82.00	(1907)
SUPPORTING FACILITIES........................	LS	—	—	1939
APRON SUBBASE COURSE.........................	SY	12,000	6.13	(74)
APRON BASE COURSE............................	SY	12,000	6.80	(82)
APRON PAVEMENT...............................	SY	12,000	32.90	(394)
SPECIAL CONSTRUCTION FEATURES................	LS	—	—	(500)
ROADS, PARKING, SIDEWALKS....................	LS	—	—	(71)
SITE IMPROVEMENT.............................	LS	—	—	(89)
DEMOLITION...................................	LS	—	—	(139)
EMERGENCY GENERATOR & SUBSTATION.............	LS	—	—	(87)
FIRE PROTECTION..............................	LS	—	—	(503)
SUBTOTAL.....................................	—	—	—	7206
CONTINGENCY (5%).............................	—	—	—	360
TOTAL CONTRACT COST..........................	—	—	—	7566
SUPV, INSPECTION & OVERHEAD (5.5%)...........	—	—	—	416
TOTAL REQUEST................................	—	—	—	7982

10. DESCRIPTION OF PROPOSED CONSTRUCTION

TOTAL REQUEST (ROUNDED)......................	—	—	—	8000

Steel frame building, concrete spread footings, CMU walls, concrete floor and foundation. Second floor of precast concrete slab. Metal deck roof with 4 ply build-up roofing, concrete access apron. approximately 50 ton air conditioning; mechanical ventilation and fire protection system and utilities. Demolition will be included in the project (for Hangar 20).

11. REQUIREMENT: 230,951 SF ADEQUATE: 172,700 SF INADEQUATE: 16,051 SF

PROJECT: Provide aircraft maintenance hangar and parking apron for MAG 49.

REQUIREMENT: Provide adequate hangar space to allow the efficient maintenance and repair of assigned aircraft in a safe and controlled environment. Provide sufficient apron space to meet NAVAIR flight safety criteria for taxiing and parking assigned aircraft.

CURRENT SITUATION: NAS Willow Grove has only 74% of the needed hangar space and only 95% of the required parking apron. As a result, aircraft must be repaired on the weather exposed apron or aircraft must be shuttled in and out of the existing hangars as higher priority repairs occur. This creates services inefficiencies and creates the possibility of an accident caused by improper maintenance or repair. Additional space is needed as the present overcrowding of aircraft has resulted in moving out valuable aircraft maintenance functions from hangar 80 to hangar 20, which is a dilapidated WWII structure located in the primary clear zone area. Hangar 20 is a fire and safety hazard and it is scheduled for demolition in conjunction with the proposed project. The overcrowded hangar conditions were recently aggravated by the addition of a Navy anti-submarine warfare helicopter squadron (7-SH-3's), formerly stationed at Lakehurst, NJ, and

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION WILLOW GROVE, PA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR		5. PROJECT NUMBER P-190

by replacing the C-118 aircraft with the more capable C-9s. Currently, there is a mix of aircraft at NAS Willow Grove including: A-4's, CH-53's, SH-3's, C-9's. The maintenance support required for such a varied mix of aircraft has put a tremendous strain on available facility assets. The lack of hangar space and apron parking are the most severe restrictions to expanding to accommodate present facility inadequacies.

IMPACT IF NOT PROVIDED: All components will continue to use existing facilities and be required to operate and maintain aircraft in inefficient facilities with lack of adequate space to properly perform mission. Existing inadequate hangar 20 will remain as a flight obstruction in the clear zone and continue to represent a serious fire and life safety hazard.

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started........................ June 85
(b) Percent Complete as of January 1986....... 35%
(c) Percent Complete as of October 1986....... 100%
(d) Date Design Complete....................... December 86

(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: ________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.....(400)
(b) All Other Design Costs.....................(250)
(c) Total......................................(650)
(d) Contract...................................(600)
(e) In-house...................................(50)

(4) Construction start...........................March 87

b. Equipment associated with this project which will be provided from appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

READEX FICHE

1. COMPONENT NR&MCR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION DALLAS, TEXAS		4. AREA CONSTR COST INDEX 0.93

5. FREQUENCY AND TYPE UTILIZATION

NORMAL WORK WEEK PLUS DRILLS THREE WEEKENDS PER MONTH AND TWO WEEKS OF ANNUAL ACTIVE DUTY DRILL.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

ONE NAVY
ONE ARMY

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
136-10	APPROACH LIGHT SYSTEM	6000 LF	2400	8/85	10/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

NOV 1984
(Date)

APPROVED FOR UNILATERAL CONSTRUCTION

9. LAND ACQUISITION REQUIRED

NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJ. NO.	PROJECT TITLE	FY
P-332	IMA ADDITION	88
P-133	RUNWAY C/L LIGHTS	88
P-283	BOQ	90
P-266	HUSH HOUSE	90
P-220	OPS TERMINAL	91
P-138	FW FAC/TRANSPORTATION GARAGE	91

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1. COMPONENT N6MCR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AIR STATION
DALLAS, TEXAS

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	980	48	722	210	2250	458	1792
ACTUAL	970	35	715	220	1670	363	1307

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NAS NORTH ISLAND D 170	116	49
NAS MIRAMAR 170	130	74
NAS KEY WEST 0170	70	50
NAS KINGSVILLE 0170	131	56
CARRIER GROUP 0170	39	23
CARRIER GROUP 770	27	24
TRAWING 2 DET 170	12	6
TRAWING 3 DET 270	12	7
TRAWING 4 DET 370	9	7
CV61 RANGER DET 0170	0	0
CV064 CONSTELLATION 170	104	26
COMPAIRWESTPAC 0170	120	30
VF-1170	66	47
VR-24 COMP 270	12	9
NAS DALLAS MED/DEN 0170	6	0
VR-59	165	144

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F4S	24	23
C9B	3	3
TA4J	2	3
CH53A	6	7
F4S	12	9
F4J	0	12
CH53A	6	7

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1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AIR STATION DALLAS, TX

4. PROJECT TITLE
APPROACH LIGHTING SYSTEM

5. PROJECT NUMBER
P-181

VP-201	167	151
VP-202	167	128
MOBASCONTGRP 7070	0	0
VOLTRAUNIT 7070	0	0
NAVAIRSYS 0570	14	13
NAVAIRSYS 0770	12	11
NAVWEAPEVALFAC 0170	23	16
VTU AIRSYSCOM 0970	0	0
US CINCSOUTH 0111	17	2
US CINCSOUTH 0270	29	11
DIAHQ 0670	26	18
NISCPROD 711	14	9
FIRST PAC 370	52	39
FIRST PAC 470	50	42
FIRST PAC 1070	51	41
VTU INTELLIGENCE 111	0	0
NAS DALLAS MED/DEN 0170	6	12
NAS KINGSVILLE MED 0170	19	7
4MAW MED MAG 41	20	9
NORA DALLAS 1570	19	13
RECORDS REVIEW NAS DALLAS	0	0
* VMFA 112	136	156
* H/MS 41	194	156
* MABS 41	140	137
* HMH 772 DET B	36	105
* H/MS 49 DET D	39	42
TOTAL	2250	1670

* MARINE CORPS UNITS

U.S. Government Printing Office: 1981-

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION, DALLAS, TX	4. PROJECT TITLE AIRFIELD APPROACH LIGHTING	

5. PROGRAM ELEMENT 55196	6. CATEGORY CODE 136-10	7. PROJECT NUMBER P-181	8. PROJECT COST ($000) 2,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
APPROACH LIGHTING INCLUDING ALL HARDWARE..................................	LF	6,000	360.17	2,161
SUBTOTAL......................................	—	—	—	2,161
CONTINGENCIES (5%)	—	—	—	108
TOTAL CONTRACT..................................	—	—	—	2,269
SUPERVISION, INSPECTION & OVERHEAD (5.5%)............................	—	—	—	125
TOTAL REQUEST..................................	—	—	—	2,394
TOTAL REQUEST (ROUNDED)........................	—	—	—	2,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION

CONSTRUCTION: Barretts of lights and sequential flashing strobe lights perpendicular to and along extended runway center line at 100 feet intervals for 3000 linear feet out from each end of runway (R/W) 17/35.

11. REQUIREMENT: 6,000 LF ADEQUATE: 0 LF SUBSTANDARD: 0 LF

PROJECT: Provide Airfield Approach Lighting Systems (ALS) with sequenced flashing lights, category 1 (ALSF-2), 3000 LF for R/W 17 (northend) and 3000 LF for R/W 35 (southend).

REQUIREMENT: In order to support the Naval Air Reserve training mission, NAS Dallas Runway R/W 17/35 needs to be upgraded by constructing a lighting system specifically designed as a precision approach visual navigational aid that will provide constant, reliable flight training and aircraft operations to the visibility ceilings of Category I limits (minimum down to 100 feet Height Above Touchdown (HAT) and 1/4 mile visibility on a Runway Visual Range (RVR) of 1,200 feet.)

CURRENT SITUATION: NAS Dallas supports approximately 16,000 approaches annually; this includes landings and training "touch and go's". Approximately 10 percent of these approaches have to be aborted because of inclement weather and the lack of an approach lighting system. Night training is severely curtailed because of the lack of approach lights. The lack of an approach lighting system is estimated to cost $400K annually because of the requirement for extra flight time awaiting the runway to clear or diverting to another equipped airfield. The possibility of an air accident is also increased due to the lack of this system.

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR STATION DALLAS, TX		
4. PROJECT TITLE AIRFIELD APPROACH LIGHTING		5. PROJECT NUMBER P-181

IMPACT IF NOT PROVIDED: Necessary training will continue to be curtailed, extra flight time incurred, and risk of a major accident imposed without the provision of this system. Additional operating funds will be expended when aircraft are diverted or forced to circle when weather curtails landings.

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started........................ August 85
(b) Percent Complete as of January 1986....... 35%
(c) Percent Complete as of October 1986....... 100%
Date Design Complete...................... 86

(2) Basis:
(a) Standard or Definitive Design: Yes____ No X
(b) Where Design Was Most Recently Used: ____________

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.....(134)
(b) All other Design Costs.....................(86)
(c) Total.......................................(220)
(d) Contract....................................(200)
(e) In-house....................................(20)

(4) Construction start.............................December 86

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT NAVY	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR RESERVE WHIDBEY ISLAND, WA		4. AREA CONSTR COST INDEX 1.15

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL WORK WEEK PLUS DRILLS THREE WEEKENDS PER MONTH AND TWO WEEKS OF ANNUAL ACTIVE DUTY DRILL

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ONE NAVY

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-05	ACFT MAINT HANGAR	51,857 SF	6100	2/85	4/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

APPROVED FOR UNILATERAL CONSTRUCTION 1/85 (Date)

9. LAND ACQUISITION REQUIRED

NONE (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT NO.	TITLE	FY
P-025	TRAINING BLDG	89
P-024	TAXIWAY	91

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
NAVY

FY 1987 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AIR RESERVE WHIDBEY ISLAND, WA

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	437	33	371	33	1559	350	1209
ACTUAL	425	28	364	33	1367	309	1058

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
NAS WHIDBEY 4089	121	92
CARRIER GROUP 0589	36	21
MEDIUM ATTACK WING 289	23	18
PATROL WING PAC 389	29	17
VA-0689	63	48
VP-4046	123	75
VP-69	338	302
VR-61	127	110
VAQ-309	196	91
MOBASCONTGRP 8989	0	0
VOLTRAUNIT 8989	0	0
AFAITC 0222	16	15
DIAHO 0522	19	13
NISCPROD 922	15	12
NISRO 2489	18	18
FIRSTPAC 1689	49	40

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
EA6A	8	10
C9	2	2
P3A	9	11

1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AIR RESERVE WHIDBEY, WA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR		5. PROJECT NUMBER P-023

FIRSTPAC 1489	48	37
VTU INTEL 189	0	0
NAVHOSPDCL WHIDBEY 0189	20	18
NORA WHIDBEYIS 2089	30	19
RECORDS REVIEW NARU WHID	0	0
* H/MS-42 DET C	41	42
* VMAQ-4	84	121
* MABS-46 DET A	44	68
* WES-47 DET B	119	190
TOTAL	1559	1367

* MARINE CORPS UNITS

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION NAVAL AIR RESERVE WHIDBEY ISLAND WHIDBEY ISLAND, OAK HARBOR, WA	4. PROJECT TITLE C-9 AIRCRAFT MAINTENANCE HANGAR

5. PROGRAM ELEMENT 55196	6. CATEGORY CODE 211-05	7. PROJECT NUMBER P-023	8. PROJECT COST ($000) 6,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGAR..............................	SF	51,857	—	3,861
BUILDING..................................	SF	41,201	74.78	(3081)
PASSENGER TERMINAL........................	SF	10,656	73.20	(780)
SUPPORTING FACILITIES..........................	—	—	—	1623
APRON SUBBASE COURSE......................	SY	2,200	6.00	(13)
APRON BASE COURSE.........................	SY	2,200	7.00	(15)
APRON PAVEMENT............................	SY	2,200	35.00	(77)
PILE FOUNDATION...........................	LS	—	—	(468)
MECHANICAL UTILITIES......................	LS	—	—	(382)
ELECTRICAL UTILITIES......................	LS	—	—	(163)
PAVING & SITE IMPROVEMENTS................	LS	—	—	(267)
DEMOLITION................................	LS	—	—	(238)
SUBTOTAL.......................................	—	—	—	5,484
CONTINGENCY (5%)...............................	—	—	—	274
TOTAL CONTRACT COST............................	—	—	—	5,758
SUPV, INSPECTION & OVERHEAD (5.5%).............	—	—	—	316
TOTAL REQUEST.............................	—	—	—	6,074
TOTAL REQUEST (ROUNDED)...................	—	—	—	6,100

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel frame building, metal and masonry walls, concrete floor and foundation, steel frame roof decking and built-up roofing on flat roof and corrugated metal and rigid insulation on sloping roofs, foam water deluge and wet pipe fire protection systems, ventilation, steam heat, utilities including compressed air, 400HZ power, and connection to EMCS. Air passenger terminal: steel frame building, metal and masonry walls, concrete floor and foundation, steel frame roof, wet pipe fire protection, steam heat, and utilities. One aircraft hangar/air passenger terminal to be demolished.

11. REQUIREMENT: 139,548 SF ADEQUATE: 53,718 SF SUBSTANDARD: 77,992 SF

PROJECT: Provides an aircraft maintenance hangar and passenger air terminal.

REQUIREMENT: The C-9 squadron needs adequate hangar facilities for operations and maintenance of their 3 C-9B/DC-9 aircraft. Siting of this hangar is over the existing substandard passenger terminal and this project will construct a new terminal. Alternate site would be higher cost.

CURRENT SITUATION: The C-9 squadron presently occupies a 40+ year old wooden hangar, shared with the NAS Air Terminal, devoid of any installed fire protection equipment and built for World War II prop-driven aircraft. Unable to perform proper maintenance due to lack of adequate hangar. Presently using maintenance space with ten aircraft patrol squadron, located over two-thirds of a mile from assigned shop space, on a space available basis. Manhours are wasted moving aircraft, support equipment, tools and parts to this remote location.

IMPACT IF NOT PROVIDED: Facilities will continue to be inadequate to support DC-9/C-9B aircraft and contractual requirements. Maintenance of

1. COMPONENT
N&MCR

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AIR RESERVE WHIDBEY ISLAND OAK HARBOR, WA

4. PROJECT TITLE
C-9
AIRCRAFT MAINTENANCE HANGAR

5. PROJECT NUMBER
P-023

the aircraft will suffer. Morale and the ability of the activity to fulfill its mission will be increasingly impaired.

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started........................ February 85
(b) Percent Complete as of January 1986....... 85%
(c) Percent Complete as of October 1986....... 100%
(d) Date Design Complete...................... April 86

(2) Basis:
(a) Standard or Definitive Design: Yes X No
(b) Where Design Was Most Recently Used: FY-86 NAS Glenview, I

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.....(150)
(b) All Other Design Costs.....................(187)
(c) Total......................................(37)
(d) Contract...................................(292)
(e) In-house...................................(45)

(4) Construction start...........................December 86

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
N&MCR			14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL & MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		4. PROJECT TITLE PROJECTS $400 THOUSAND AND UNDER	
5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIES	7. PROJECT NUMBER VARIES	8. PROJECT COST ($000) $5,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROJECTS $400 THOUSAND AND UNDER...............	LS	-	-	$5,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Specified construction projects having a funded cost of $400,000 or less. (See individual project description of work.)

11. REQUIREMENT: VARIES.

Projects are specifically identified in state order on subsequent sheets.

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
143-77	P-054	OPERATIONAL STOR FAC/RNMCB-24/REDSTONE ARSENAL AL	175

PROJECT WILL PROVIDE A PRE-ENGINEERED WAREHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTALION TRAINING AND MOBILIZATION MATERIAL.

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
214-20	P-067	VEH MAINT FAC/NMCRC/MOBILE, AL	250

PROJECT WILL PROVIDE MAINTENANCE AND OFFICE SPACES FOR A NEWLY-ASSIGNED MOBILE INSHORE UNDERSEA WARFARE UNIT AND FOR MIUWS' AUGMENTED VEHICLE ALLOWANCES.

S/N 0102-LF-001-3910 ☆U.S. Government Printing Office: 1982-[illegible] 3-1

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE, VARIOUS LOCATIONS		
4. PROJECT TITLE MINOR CONSTRUCTION		5. PROJECT NUMBER VARIOUS

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
171-15	P-996	PARACHUTE LOFT/NMCRC/LONG BEACH, CA	190

PROJECT WILL PROVIDE A PERMANENTLY AVAILABLE PARACHUTE MAINTENANCE FACILITY AT THE RESERVE UNIT'S LOCATION RATHER THAN AN OCCASSIONALLY AVAILABLE FACILITY 71 MILES AWAY.

171-20	P-041	PERM DRILL SITE/RNCFSU-2/FT CARSON, CO	390

PROJECT WILL PROVIDE ADMINISTRATIVE, TRAINING, STORAGE, AND MAINTENANCE SPACES FOR A RESERVE NAVAL CONSTRUCTION FORCE SUPPORT UNIT OF 200+ PERSONNEL.

143-77	P-055	OPERATIONAL STOR FAC/RNMCB-25/NAS GLENVIEW, IL	175

PROJECT WILL PROVIDE A PRE ENGINEERED WAREHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTALION TRAINING AND MOBILIZATION MATERIAL.

143-77	P-058	OPERATIONAL STOR FAC/RNMCB-28/BARKSDALE AFB, LA	175

PROJECT WILL PROVIDE A PRE-ENGINEERED WAERHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTALION TRAINING AND MOBILIZATION MATERIAL.

610-10	P-504	ISMO/AUDIO SYSTEM, NAVSUPPACT NEW ORLEANS, LA	275

THIS PROJECT WILL PROVIDE FACILITIES FOR THE INFORMATION SYSTEMS MANAGEMENT OFFICE TO SUPPORT THE NEWLY ACTIVATED STAFF AND EQUIPMENT.

610-10	P-092	ADMINISTRATIVE SPACE, NAVSUPPACT NEW ORLEANS, LA	260

THIS PROJECT CONSTRUCTS/CONVERTS WAREHOUSE SPACE TO ADMINISTRATIVE SPACE FOR PERSONNEL GROWTH.

U.S. Government Printing Office: 1981—[illegible]

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS RESERVE, VARIOUS LOCATIONS

4. PROJECT TITLE MINOR CONSTRUCTION	5. PROJECT NUMBER VARIOUS

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
143-77	P-057	OPERATIONAL STOR FAC/RNMCB-27/NAS BRUNSWICK, ME	175
		PROJECT WILL PROVIDE A PRE-ENGINEERED WAREHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTALION TRAINING AND MOBILIZATION MATERIAL.	
143-77	P-056	OPERATIONAL STOR FAC/RNMCB-26/NAF DETROIT, MI	175
		PROJECT WILL PROVIDE A PRE-ENGINEERED WAREHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTLAION TRAINING AND MOBILIZATION MATERIAL.	
171-20	P-043	PERM DRILL SITE/RNCFSU-4/ST PAUL INTL AIRPORT, MN	390
		PROJECT WILL PROVIDE ADMINISTRATIVE, TRAINING, STORAGE, AND MAINTENANCE SPACES FOR A RESERVE NAVAL CONSTRUCTION FORCE SUPPORT UNIT OF 200+ PERSONNEL.	
143-77	P-048	OPERATIONAL STOR FAC/RNMCB-15/RICHARDS-GEBAUR AFB, MO	175
		PROJECT WILL PROVIDE A PRE-ENGINEERED WAREHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTALION TRAINING AND MOBILIZATION MATERIAL.	
143-77	P-051	OPERATIONAL STORAGE FAC/RNMCB-21/NAEC LAKEHURST, NJ	175
		PROJECT WILL PROVIDE A PRE-ENGINEERED WAREHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTALION TRAINING AND MOBILIZATION MATERIAL.	
143-77	P-047	OPERATIONAL STORAGE FAC/RNMCB-13/CAMP SMITH, PEEKSKILL, NY	175
		PROJECT WILL PROVIDE A PRE-ENGINEERED WAREHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTALION TRAINING AND MOBILIZATION MATERIAL.	

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT N&MCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE, VARIOUS LOCATIONS STATION		
4. PROJECT TITLE MINOR CONSTRUCTION		5. PROJECT NUMBER VARIOUS

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
171-20	P-042	PERM DRILL SITE/RNCFSU-3/MCRC SYRACUSE, NY	390

PROJECT WILL PROVIDE ADMINISTRATIVE, TRAINING, STORAGE, AND MAINTENANCE SPACES FOR A RESERVE NAVAL CONSTRUCTION FORCE SUPPORT UNIT OF 200+ PERSONNEL.

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
143-77	P-050	OPERATIONAL STOR FAC/RNMCB-20/RICENBACKER ANG COLUMBUS, OH	175

PROJECT WILL PROVIDE A PRE-ENGINEERED WAREHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTALION TRAINING AND MOBILIZATION MATERIAL.

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
610-71	P-040	PERM DRILL SITE/RNCFSU-1/BEAVER CO, PA	390

PROJECT WILL PROVIDE ADMINISTRATIVE, TRAINING, STORAGE, AND MAINTENANCE SPACES FOR A RESERVE NAVAL CONSTRUCTION FORCE SUPPORT UNIT OF 200+ PERSONNEL.

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
116-15	118	AIRCRAFT RINSE FACILITY, NAS WILLOW GROVE, PA	150

THE PROJECT PROVIDES THE CLEANING AND DECONTAMINATING FACILITIES TO COMBAT CORROSIVE ACTION ON P3B, A4E, CH-53A AND SH-3D AIRCRAFT.

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
214-10	P-992	COMB VEH MAINT ADDN/MCRC WYOMING, PA	190

ADDITION TO EXISTING COMBAT VEHICLE MAINTENANCE FACILITY WILL ACCOMODATE EXISTING VEHICLE ALLOWANCE AND PROVIDE SPACE FOR IMMINENT INCREASE.

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
214-20	P-069	VEH MAINT FAC/NMCRC/CORPUS CHRISTI, TX	250

PROJECT WILL PROVIDE MAINTENANCE AND OFFICE SPACES FOR A NEWLY ASSIGNED MOBILE INSHORE UNDERSEA WARFARE UNIT.

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
143-77	P-052	OPERATIONAL STOR FAC/RNMCB-22/NAS DALLAS, TX	175

PROJECT WILL PROVIDE A PRE-ENGINEERED WAREHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTALION TRAINING AND MOBILIZATION MATERIAL.

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[illegible]

[illegible]

1. COMPONENT NMNCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS RESERVE, VARIOUS LOCATIONS		
4. PROJECT TITLE MINOR CONSTRUCTION		5. PROJECT NUMBER VARIOUS

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
211-05	340	AIRCRAFT COOLING, NAS DALLAS, TX	250

THIS PROJECT PROVIDES AN AIRCRAFT COOLING SYSTEM IN SUPPORT OF THE F-14 AIRCRAFT.

CAT CODE	PROJ NO	PROJ TITLE/INSTALLATION/LOCATION	COST ($000)
143-77	P-053	OPERATIONAL STOR FAC/RNMCB-23/FT BELVOIR, VA	175

PROJECT WILL PROVIDE A PRE-ENGINEERED WAREHOUSE FOR CONTAINERIZED, PALLETIZED, AND BULK RESERVE NAVAL MOBILE CONSTRUCTION BATTALION TRAINING AND MOBILIZATION MATERIAL.
NMNCR

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[illegible]

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U.S. Government Printing Office [illegible]

1. COMPONENT
N&MCR

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS RESERVE
INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE
UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT
5 50 96 N

6. CATEGORY CODE
VARIES

7. PROJECT NUMBER
VARIOUS

8. PROJECT COST ($000)

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MINOR CONSTRUCTION (UNSPECIFIED)	LS	-	-	$1,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION

THIS PROJECT PROPOSES FUNDING FOR: ACQUISITION, CONSTRUCTION, CONVERSION OR INSTALLATION OF MINOR ITEMS WITH COSTS UP TO $400,000.

11. REQUIREMENT: FUNDS IN THE ABOVE AMOUNT ARE REQUIRED FOR MINOR CONSTRUCTION - RESERVE FORCE PROJECTS NOT EXCEEDING $400,000 IN COST WHICH ARE TO BE ACCOMPLISHED UNDER THE EXEMPTION PROVIDED BY SECTION 2233A(1), CHAPTER 133, 10 USC.

U.S. Government Printing Office: [illegible]

1. COMPONENT NAMCR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 19

3. INSTALLATION AND LOCATION VARIOUS LOCATIONS	4. PROJECT TITLE DESIGN

5. PROGRAM ELEMENT 5 50 96 N	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000) 5,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DESIGN	LS			5,300
TOTAL COST				5,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project proposes funding for:

Planning necessary to develop sound program cost estimates, and plans and specifications for the military construction, Naval Reserve projects.

Planning work may embrace land appraisals, field surveys and foundation exploration.

11. **REQUIREMENT**:

Funds in the above amount are required to carry out provisions in Title 10 USC 2233 and 2233a as:

Construction planning - the Secretary of Defense may procure advance planning, construction design and architectural services in connection with facilities to be established or developed under this chapter which are not otherwise authorized by law.

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DEPARTMENT OF THE NAVY
MILITARY CONSTRUCTION, NAVAL RESERVE
FY 1987
SPECIAL PROGRAM CONSIDERATION

Pollution Abatement

The military construction projects in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy savings devices. Projects are designed for minimum energy consumption.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places except as noted on DD Form 1391.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Economic Analysis

Economics is an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

Reserve Manpower Potential
The Reserve manpower potential to meet and maintain authorized strengths of all Reserve flying/non flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with the other services having Reserve flying/non flying units in these areas, that the number currently in existence and planned for the future, will not be larger than can reasonably be supported by the available residents of the area.

F. N. SMITH
Rear Admiral, U.S. Naval Reserve
Deputy Director of Naval Reserve

APPENDIX

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ALABAMA		
ARMY		
ANNISTON ARMY DEPOT		
AMMUNITION CONTAINER LOADING YARD	750	
FACILITY ENERGY IMPROVEMENTS	360	
MACHINE SHOP	3,150	
VEHICLE REPAIR FACILITY	4,700	
ANNISTON ARMY DEPOT		8,960
FORT MCCLELLAN		
GENERAL INSTRUCTION BUILDING	12,800	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	23,000	
UNACCOMPANIED OFFICER HOUSING	3,550	
FORT MCCLELLAN		39,350
REDSTONE ARSENAL		
CHILD CARE CENTER	1,500	
HANGAR MISSILE TEST FACILITY	5,300	
PROPULSION AGING LABORATORY	3,100	
TARGET AND SEEKER MEASUREMENT FACILITY	2,250	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	13,600	
REDSTONE ARSENAL		25,750
FORT RUCKER		
GENERAL INSTRUCTION BUILDING	2,350	
LAND ACQUISITION	1,200	
UNACCOMPANIED OFFICER HOUSING	5,600	
FORT RUCKER		9,150
**ARMY		83,210
AIR FORCE		
GUNTER AFB		
ADD TO COMPUTER FACILITY	6,000	
GUNTER AFB		6,000
MAXWELL AFB		
ALTER ELECTRIC DISTRIBUTION FACILITY	3,300	
VISITING OFFICER QUARTERS	3,500	
MAXWELL AFB		6,800
**AIR FORCE		12,800
ARMY NATIONAL GUARD		
DEMOPOLIS		
200 PERSON ARMORY	647	
DEMOPOLIS		647
DOUBLE SPRINGS		
100 PERSON ARMORY	593	
DOUBLE SPRINGS		593
FORT MC CLELLAN		
ORGANIZATIONAL MAINTENANCE SHOP	389	
FORT MC CLELLAN		389
ONEONTA		
100 PERSON ARMORY	853	
ONEONTA		853
TROY		
ARMORY ADDITION	453	
TROY		453
VALLEY		
100 PERSON ARMORY	578	
VALLEY		578
**ARMY NATIONAL GUARD		3,513

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ALABAMA		
ARMY RESERVE		
ANNISTON		
ADD/ALTER RESERVE CENTER/MAINT/STORAGE	4,349	
ANNISTON		4,349
**ALABAMA		103,872
ALASKA		
ARMY		
FORT GREELY		
CHILD CARE CENTER	2,500	
FORT GREELY		2,500
FT J M WAINWRIGHT		
BARRACK MODERNIZATION	10,500	
COMMUNITY IMPACT PLANNING	250	
STEAM LINE INSULATION	2,000	
FT J M WAINWRIGHT		12,750
FORT RICHARDSON		
DINING FACILITY MODERNIZATION	2,050	
OPERATIONS BUILDING	1,550	
FORT RICHARDSON		3,600
**ARMY		18,850
NAVY		
NAVAL FACILITY ADAK		
ELECTRIC POWER PLANT	2,650	
NAVAL FACILITY ADAK		2,650
NAVAL SECURITY GROUP ACTIVITY ADAK		
SECURITY IMPROVEMENTS	400	
NAVAL SECURITY GROUP ACTIVITY ADAK		400
**NAVY		3,050
AIR FORCE		
ATTU		
SEISMIC OPNS AND DATA TRANSMISSION FAC	910	
ATTU		910
CLEAR		
SATELLITE COMMUNICATIONS GROUND TERMINAL	4,500	
CLEAR		4,500
EIELSON AFB		
ADD-ALTER CENTRAL HEAT-POWER PLANT	25,500	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	5,500	
FIRE PROTECTION - HANGAR	4,200	
MAINTENANCE HANGAR	6,000	
REFUELING VEHICLE-PETROLEUM OPERATIONS FAC	2,200	
SOUND SUPPRESSOR SUPPORT	1,550	
EIELSON AFB		44,950
ELMENDORF AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	3,600	
FIRE STATION	1,400	
ELMENDORF AFB		5,000
KING SALMON AFB		
ADD-ALTER COMPOSITE OPERATIONS FACILITY	2,500	
FIRE STATION	5,600	
KING SALMON AFB		8,100

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED
      ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
           INSIDE THE UNITED STATES
               ($ THOUSANDS)
STATE/COMP./INSTALLATION
-------------------PROJECT NAME---------------   PROJ COST     TOTAL
ALASKA                                           ----------  ----------
  AIR FORCE
    SHEMYA AFB
     ADD-ALTER CENTRAL POWER PLANT
     COMPOSITE PERSONNEL HOUSING-ALERT FACILITY      26,000
     LIQUID FUEL PIPELINE SYSTEM                      9,600
      SHEMYA AFB                                      8,300
                                                                 43,600
  **AIR FORCE                                                ----------
                                                                107,060
  DEFENSE LOGISTICS AGENCY
    DEFENSE PROPERTY DISPOSAL OFFICE ANCHORAGE
     CONFORMING STORAGE FACILITY
      DEFENSE PROPERTY DISPOSAL OFFICE ANCHORAGE      1,390
                                                                  1,390
***FAMILY HOUSING***

  NAVY
    NAVAL STATION ADAK
     NEW CONSTRUCTION (100)
      NAVAL STATION ADAK                            [15,500]
        FAMILY HOUSING
                                                               [15,500]
**ALASKA                                                     ----------
        FAMILY HOUSING                                          130,350
                                                               [15,500]

ARIZONA
  ARMY
    FORT HUACHUCA
     OPERATIONS BUILDING
      FORT HUACHUCA                                   2,050
                                                                  2,050
    NAVAJO ARMY DEPOT
     AMMUNITION CONTAINER LOADING YARD
      NAVAJO ARMY DEPOT                                 240
                                                                    240
    YUMA PROVING GROUND
     WALL INSULATION
      YUMA PROVING GROUND                               240
                                                                    240
  **ARMY                                                     ----------
                                                                  2,530
  NAVY
    MARINE CORPS AIR STATION YUMA
     ATTACK AIRCRAFT TRAINING BUILDING
     ENGINE TEST CELL                                 3,150
     MAINTENANCE HANGAR                               3,570
     OPERATIONAL TRAINER FACILITY                     4,300
     POWER CHECK PADS                                 2,550
      MARINE CORPS AIR STATION YUMA                   1,130
                                                                 14,700
  AIR FORCE
    DAVIS-MONTHAN AFB
     GLCM-FIELD TRAINING FACILITY
     MEDICAL WRM FACILITY                             4,550
     TAXIWAY LIGHTING                                   620
      DAVIS-MONTHAN AFB                                 560
                                                                  5,730
    LUKE AFB
     ECIP-HVAC
     F-16 ADD-ALTER ENGINE INSP AND REPAIR SHOP         290
     F-16 AIRCRAFT MAINTENANCE TRAINING FAC           1,750
     F-16 AIRCRAFT MAINTENANCE UNIT FACILITY          3,650
     F-16 FUEL SYSTEM MAINTENANCE HANGAR                790
     F-16 SQUADRON OPERATIONS FACILITY                2,000
                                                      2,900
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ARIZONA		
AIR FORCE		
LUKE AFB		
SUPPORT EQUIPMENT SHOP	2,050	
LUKE AFB		13,430
WILLIAMS AFB		
ADD-ALTER AVIONICS SHOP	660	
WILLIAMS AFB		660
**AIR FORCE		19,820
ARMY NATIONAL GUARD		
SHOW LOW		
60 PERSON ARMORY	832	
SHOW LOW		832
**ARIZONA		37,882
ARKANSAS		
ARMY		
PINE BLUFF ARSENAL		
*BINARY MUNITIONS FACILITY - PHASE II	10,800	
CLOSE HAZARDOUS WASTE	19,000	
PINE BLUFF ARSENAL		29,800
AUTHORIZED IN PRIOR YEAR		(10,800)
NAVY		
NAVAL SPACE SURVEIL FIELD STA LEWISVILLE		
ANTENNA MODERNIZATION AND LAND ACQUISITION	675	
NAVAL SPACE SURVEIL FIELD STA LEWISVILLE		675
AIR FORCE		
BLYTHEVILLE AFB		
AIRCRAFT GENERAL PURPOSE MAINTENANCE SHOP	3,750	
BLYTHEVILLE AFB		3,750
AIR NATIONAL GUARD		
FT SMITH MAP		
ADD TO HEADQUARTERS BUILDING	570	
FT SMITH MAP		570
**ARKANSAS		34,795
AUTHORIZED IN PRIOR YEAR		(10,800)
CALIFORNIA		
ARMY		
FORT HUNTER LIGGETT		
MULTI-PURPOSE RANGE COMPLEX - LIGHT	8,900	
TECHNICAL DOCUMENTATION FACILITY	2,200	
FORT HUNTER LIGGETT		11,100
FT IRWIN		
CHILD CARE CENTER	1,450	
DINING FACILITY MODERNIZATION	1,250	
HOSPITAL UPGRADE AND ADDITION	7,000	
TRAINING FACILITY	1,100	
TRAINING RANGES	1,750	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	14,000	
FT IRWIN		26,550
OAKLAND ARMY BASE		
RAIL HEAD LOADING RAMPS	330	
OAKLAND ARMY BASE		330

* AUTHORIZED IN PRIOR YEAR

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION -------------------PROJECT NAME---------------	PROJ COST	TOTAL
CALIFORNIA		
ARMY		
FORT ORD		
ENERGY MONITORING AND CONTROL SYSTEM	440	
MEDICAL SUPPLY WAREHOUSE	680	
OPERATIONS BUILDING	1,700	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	23,000	
FORT ORD		25,820
PRESIDIO OF MONTEREY		
MILITARY PERSONNEL ADMINISTRATION CENTER	2,650	
PRESIDIO OF MONTEREY		2,650
SACRAMENTO ARMY DEPOT		
OPTICAL FACILITY	4,550	
SACRAMENTO ARMY DEPOT		4,550
SIERRA ARMY DEPOT		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,600	
SIERRA ARMY DEPOT		2,600

**ARMY		73,600
NAVY		
AMPHIBIOUS TASK FORCE CAMP PENDLETON		
LANDING CRAFT AIR CUSHION COMPLEX	9,020	
AMPHIBIOUS TASK FORCE CAMP PENDLETON		9,020
FLEET ANTI-SUB WARF TRNG CTR PAC SAN DIEGO		
ANTI-SUBMARINE WARFARE TRAINING BUILDING	7,850	
FLEET ANTI-SUB WARF TRNG CTR PAC SAN DIEGO		7,850
FLEET COMBAT TRNG CTR PAC SAN DIEGO		
LAMPS MK III TRAINING BUILDING	305	
FLEET COMBAT TRNG CTR PAC SAN DIEGO		305
FLEET TRAINING CENTER SAN DIEGO		
DAMAGE CONTROL TRAINING FACILITY	4,750	
FLEET TRAINING CENTER SAN DIEGO		4,750
MARCORP AIR-GRND COMB CTR TWENTYNINE PALMS		
BACHELOR ENLISTED QUARTERS	11,570	
BATTALION AND BATTERY HEADQUARTERS	2,840	
BRIGADE HEADQUARTERS	2,880	
PHYSICAL FITNESS CENTER	3,380	
MARCORP AIR-GRND COMB CTR TWENTYNINE PALMS		20,670
MARINE CORPS AIR STATION CAMP PENDLETON		
ARMORY	570	
AUTOMOTIVE MAINTENANCE SHOP	1,270	
MAINTENANCE HANGAR	11,000	
MARINE CORPS AIR STATION CAMP PENDLETON		12,840
MARINE CORPS AIR STATION EL TORO		
AIRCRAFT DIRECT FUELING FACILITIES	4,460	
AIRCREW WATER SURVIVAL TRAINING FACILITY	1,960	
BACHELOR ENLISTED QUARTERS	17,640	
COMMUNICATIONS CONDUIT	980	
ELECTRONICS AND COMMUNICATIONS MAINT FACS	1,470	
HAZARDOUS WASTE FAC & OIL SPILL PREVENTION	900	
LOADING AND UNLOADING RAMPS	345	
TACTICAL SUPPORT VAN PADS	2,250	
MARINE CORPS AIR STATION EL TORO		30,005
MARINE CORPS AIR STATION TUSTIN		
AIRCRAFT PARKING APRON	4,450	

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
NAVY		
MARINE CORPS AIR STATION TUSTIN		
HELICOPTER ENGINE MAINTENANCE SHOP	2,940	
HELICOPTER MAINTENANCE TRAINING BUILDING	2,250	
MAINTENANCE HANGAR	8,330	
MARINE CORPS AIR STATION TUSTIN		17,970
MARINE CORPS BASE CAMP PENDLETON		
ARMORY ADDITION	365	
BACHELOR ENLISTED QUARTERS	7,950	
COMMS & ELECTRONICS MAINT & STRG FACILITY	1,470	
COMMUNICATION IMPROVEMENTS	6,000	
OIL SPILL PREVENTION	1,470	
SPECIAL INTELLIGENCE SUPPORT FACILITY	1,520	
TACTICAL VEHICLE MAINTENANCE FACILITY	3,100	
MARINE CORPS BASE CAMP PENDLETON		21,875
MARINE CORPS LOGISTICS BASE BARSTOW		
RADIOGRAPHIC FACILITY	530	
MARINE CORPS LOGISTICS BASE BARSTOW		530
MOUNTAIN WARFARE TRAINING CTR BRIDGEPORT		
AUTOMOTIVE MAINTENANCE SHOP	1,470	
MOUNTAIN WARFARE TRAINING CTR BRIDGEPORT		1,470
NAVAL AIR REWORK FACILITY ALAMEDA		
ENERGY MONITORING AND CONTROL SYSTEM	780	
PAINT AND FINISHING HANGAR	20,000	
NAVAL AIR REWORK FACILITY ALAMEDA		20,780
NAVAL AIR REWORK FACILITY NORTH ISLAND		
ENGINEERING LABORATORY	9,120	
HEATING, VENTILATION, AIR CONDITIONING	345	
NAVAL AIR REWORK FACILITY NORTH ISLAND		9,465
NAVAL AIR STATION ALAMEDA		
DREDGING	8,650	
NAVAL AIR STATION ALAMEDA		8,650
NAVAL AIR STATION LEMOORE		
HELICOPTER ESCAPE TRAINER	2,300	
NAVAL AIR STATION LEMOORE		2,300
NAVAL AIR STATION MIRAMAR		
HAZARDOUS WASTE FACILITY	385	
NAVAL AIR STATION MIRAMAR		305
NAVAL AIR STATION NORTH ISLAND		
HELICOPTER MAINTENANCE HANGAR	13,130	
ORDNANCE FACILITIES	5,463	
NAVAL AIR STATION NORTH ISLAND		18,593
NAVAL AMPHIBIOUS BASE CORONADO		
AMPHIBIOUS FORCES TRAINING BUILDING	3,500	
BACHELOR ENLISTED QUARTERS	5,200	
SEALIFT SUPPORT MAINTENANCE FACILITY	4,400	
WATERFRONT OPERATIONS BUILDING	3,050	
NAVAL AMPHIBIOUS BASE CORONADO		16,150
NAVAL AMPHIBIOUS SCHOOL CORONADO SAN DIEGO		
COMBAT SWIMMER TRAINER FACILITY	3,000	
LANDING CRAFT AIR CUSHION TRAINING BLDG	5,900	
NAVAL AMPHIBIOUS SCHOOL CORONADO SAN DIEGO		8,900
NAVAL CONSTRUCT BATTALION CTR PORT HUENEME		
BACHELOR ENLISTED QUARTERS	5,100	

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
NAVY		
NAVAL CONSTRUCT BATTALION CTR PORT HUENEME		
COGENERATION UTILITY PLANT	3,630	
SEABEE MATERIEL TRANSIT FACILITY	6,960	
SEABEE OPERATIONS HEADQUARTERS	5,880	
NAVAL CONSTRUCT BATTALION CTR PORT HUENEME		21,570
NAVAL CONSTRUCTION TRNG CTR PORT HUENEME		
SEABEE TRAINING BUILDINGS	4,800	
NAVAL CONSTRUCTION TRNG CTR PORT HUENEME		4,800
NAVAL HOSPITAL SAN DIEGO		
FIRE STATION	450	
*REGIONAL MEDICAL CENTER-SUPPORT FACILITIES	3,400	
NAVAL HOSPITAL SAN DIEGO		3,850
AUTHORIZED IN PRIOR YEAR		(3,400)
NAVAL SECURITY GROUP ACT SKAGGS ISLAND		
COMPUTER SUPPORT WAREHOUSE	395	
NAVAL SECURITY GROUP ACT SKAGGS ISLAND		395
NAVAL SHIP WEAPON SYS ENG STA PORT HUENEME		
WEAPON SYSTEMS ENGINEERING BUILDINGS	9,700	
NAVAL SHIP WEAPON SYS ENG STA PORT HUENEME		9,700
NAVAL SHIPYARD LONG BEACH		
SONAR RUBBER DOME FACILITY	7,160	
NAVAL SHIPYARD LONG BEACH		7,160
NAVAL SHIPYARD MARE ISLAND VALLEJO		
SECURITY LIGHTING	815	
NAVAL SHIPYARD MARE ISLAND VALLEJO		815
NAVAL SPACE SURVEIL FIELD STA SAN DIEGO		
ANTENNA MODERNIZATION	600	
NAVAL SPACE SURVEIL FIELD STA SAN DIEGO		600
NAVAL STATION LONG BEACH		
BACHELOR ENLISTED QUARTERS	15,300	
NAVAL STATION LONG BEACH		15,300
NAVAL STATION MARE ISLAND		
TELEPHONE LINES	735	
NAVAL STATION MARE ISLAND		735
NAVAL STATION SAN DIEGO		
DEGAUSSING BUILDING	980	
DEPERMING PIER	9,110	
DREDGING	6,107	
NAVAL STATION SAN DIEGO		16,197
NAVAL SUBMARINE BASE SAN DIEGO		
ELECTRICAL DISTRIBUTION SYS IMPROVEMENTS	13,600	
NAVAL SUBMARINE BASE SAN DIEGO		13,600
NAVAL SUPPLY CENTER OAKLAND		
DREDGING	6,570	
OIL SPILL PREVENTION	1,320	
NAVAL SUPPLY CENTER OAKLAND		7,890
NAVAL SUPPLY CENTER SAN DIEGO		
COLD STORAGE WAREHOUSE	5,340	
FIRE PROTECTION	1,760	
NAVAL SUPPLY CENTER SAN DIEGO		7,100
NAVAL TECHNICAL TRNG CTR SAN FRANCISCO		
UNDERWAY REPLENISHMENT TRAINING BUILDING	1,570	
NAVAL TECHNICAL TRNG CTR SAN FRANCISCO		1,570

* AUTHORIZED IN PRIOR YEAR

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
NAVY		
NAVAL TRAINING CENTER SAN DIEGO		
PATTERNMAKER TRAINING BUILDING	2,900	
NAVAL TRAINING CENTER SAN DIEGO		2,900
NAVAL WEAPONS CENTER CHINA LAKE		
FIXED POINT TEST FACILITY	1,670	
LAND ACQUISITION	8,250	
PAY AND PERSONNEL SUPPORT OFFICE	785	
NAVAL WEAPONS CENTER CHINA LAKE		10,705
NAVY HOSPITAL LONG BEACH		
MEDICAL CLINIC	6,300	
NAVY HOSPITAL LONG BEACH		6,300
NAVY TACT INTEROP SPT ACT NORTH ISLAND		
HEADQUARTERS BUILDING	585	
NAVY TACT INTEROP SPT ACT NORTH ISLAND		585
PACIFIC MISSILE TEST CENTER POINT MUGU		
BACHELOR ENLISTED QUARTERS	10,000	
PACIFIC MISSILE TEST CENTER POINT MUGU		10,000
SURFACE WARFARE OFF SCOL CMD DET CORONADO		
SURFACE WARFARE OFFICER TRAINING BUILDING	5,200	
SURFACE WARFARE OFF SCOL CMD DET CORONADO		5,200

**NAVY		359,480
AUTHORIZED IN PRIOR YEAR		(3,400)
AIR FORCE		
BEALE AFB		
PAVE PAWS BOUNDARY SECURITY SYSTEM	1,050	
PAVE PAWS ELECTROMAGNETIC PULSE PROTECTION	950	
TR-1 AIRCRAFT SHELTER AND APRON	3,300	
TR-1 PHYSIOLOGICAL DIV SUPPORT FACILITY	550	
BEALE AFB		5,850
CASTLE AFB		
APPROACH LIGHTING-LAND ACQUISITION	2,000	
CASTLE AFB		2,000
EDWARDS AFB		
ALTER PHYSICAL SCIENCE LAB	2,450	
EDWARDS AFB		2,450
GEORGE AFB		
ADD-ALTER MUNITIONS FACILITIES	1,100	
FIRE STATION	3,400	
SOUND SUPPRESSOR SUPPORT	740	
GEORGE AFB		5,240
MARCH AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	6,800	
MARCH AFB		6,800
MATHER AFB		
CENTRAL LIFE SUPPORT EQUIPMENT FACILITY	1,200	
MATHER AFB		1,200
MCCLELLAN AFB		
AIRCRAFT ACCESSORIES MAINTENANCE COMPLEX	16,929	
DEPOT ELECTRONIC WARFARE-COMMUNICATIONS	13,100	
LOGISTICS SYSTEM OPERATIONS CENTER	10,300	
MEDICAL AND OCCUPATIONAL HEALTH CLINIC	12,800	

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

        ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
            INSIDE THE UNITED STATES
                 ($ THOUSANDS)
STATE/COMP./INSTALLATION
-------------------PROJECT NAME---------------    PROJ COST      TOTAL
CALIFORNIA                                        ----------   ----------
  AIR FORCE
    MCCLELLAN AFB
      SOUND SUPPRESSOR SUPPORT
       MCCLELLAN AFB                                     700
                                                                  53,829
    NORTON AFB
      CONTROL TOWER
      ECIP-FACILITY ENERGY IMPROVEMENTS                2,200
      SECURITY POLICE OPERATIONS FACILITY                470
       NORTON AFB                                      1,900
                                                                   4,570
    SUNNYVALE AFS
      ALTER MISSION CONTROL COMPLEX
       SUNNYVALE AFS                                   2,700
                                                                   2,700
    TRAVIS AFB
      ADD-ALTER FLIGHT SIMULATOR TRAINING FAC
      BASE HAZARDOUS STORAGE                           1,700
     *COMPOSITE MEDICAL FACILITY - PH III              2,100
       TRAVIS AFB                                     78,400
         AUTHORIZED IN PRIOR YEAR                                 82,200
                                                                 (78,400)
    VANDENBURG AFB
      ADD-ALTER TELEMETRY RECEIVING STATION
      ECIP-ELECTRICAL ENERGY SYSTEMS                     530
      OPTICAL TEST FACILITY                              720
     *SOUTH BASE POWER PLANT                             710
       VANDENBURG AFB                                 15,950
         AUTHORIZED IN PRIOR YEAR                                 17,910
                                                                 (15,950)
  **AIR FORCE                                                  ----------
         AUTHORIZED IN PRIOR YEAR                                184,749
                                                                 (94,350)
  DEFENSE LOGISTICS AGENCY
    DEF FUEL SUPPORT POINT PT LOMA SAN DIEGO
     LUBE OIL TANKAGE
      DEF FUEL SUPPORT POINT PT LOMA SAN DIEGO           600
                                                                     600
    DEF FUEL SUPPORT POINT SAN PEDRO
     FIRE PROTECTION
      DEF FUEL SUPPORT POINT SAN PEDRO                   700
                                                                     700
    DEF PROPERTY DISPOSAL OFFICE ALAMEDA
     FACILITY REHABILITATION
      DEF PROPERTY DISPOSAL OFFICE ALAMEDA             1,320
                                                                   1,320
    DEF PROPERTY DISPOSAL OFFICE BARSTOW
     CONFORMING STORAGE FACILITY
      DEF PROPERTY DISPOSAL OFFICE BARSTOW               825
                                                                     825
  **DEFENSE LOGISTICS AGENCY                                   ----------
                                                                   3,445
  ARMY NATIONAL GUARD
    STOCKTON
      COMBINED SUPPORT MAINTENANCE SHOP ALT/ADD
       STOCKTON                                          906
                                                                     906
  AIR NATIONAL GUARD
    FRESNO ANGB
      COMPOSITE BCE MAINT-TELECOMMUNICATION FAC
      FIRE SUPPRESSION SYSTEM                          2,300
       FRESNO ANGB                                       650
                                                                   2,950
    MIRAMAR NAS
      COMM-ELECTRONICS TRAINING COMPLEX
       MIRAMAR NAS                                     4,800
                                                                   4,800


            * AUTHORIZED IN PRIOR YEAR
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          INSIDE THE UNITED STATES
              ($ THOUSANDS)
STATE/COMP./INSTALLATION                                PROJ COST      TOTAL
-------------------PROJECT NAME---------------        ----------   ----------
CALIFORNIA
  AIR NATIONAL GUARD
    POINT MUGU NAS
     LAND ACQUISITION                                      5,000
      POINT MUGU NAS                                                    5,000
                                                                   ----------
  **AIR NATIONAL GUARD                                                 12,750

  ARMY RESERVE
    MODESTO
     ADD/ALTER RESERVE CENTER                                443
      MODESTO                                                             443

  NAVY RESERVE
    NAVAL STATION TREASURE ISLAND
     SHORE INTERMEDIATE MAINTENANCE FACILITY              11,900
      NAVAL STATION TREASURE ISLAND                                    11,900

  AIR FORCE RESERVE
    MARCH AFB
     COMPOSITE TRAINING FACILITY                           4,450
     FUEL SYSTEM MAINTENANCE DOCK                          4,000
      MARCH AFB                                                         8,450

***FAMILY HOUSING***

  ARMY
    FORT ORD
     NEW CONSTRUCTION (600)                              [40,000]
     NEW CONSTRUCTION (70 TRAILER PADS)
       (MEMO-NON-ADD)                                     (1,081)
      FORT ORD
       (MEMO-NON-ADD)                                                 (1,081)
        FAMILY HOUSING                                               [40,000]

  NAVY
    FLEET TRNG GROUP PACIFIC WARNER SPRINGS
     NEW CONSTRUCTION (44)                                [2,450]
      FLEET TRNG GROUP PACIFIC WARNER SPRINGS
        FAMILY HOUSING                                                [2,450]

    MARCOR AIR-GRND COMB CTR TWENTYNINE PALMS
     NEW CONSTRUCTION (100)                               [6,800]
      MARCOR AIR-GRND COMB CTR TWENTYNINE PALMS
        FAMILY HOUSING                                                [6,800]

    MARINE CORPS AIR STATION EL TORO
     NEW CONSTRUCTION (282)                              [24.500]
      MARINE CORPS AIR STATION EL TORO
        FAMILY HOUSING                                               [24,500]

    NAVAL COMPLEX SAN DIEGO
     NEW CONSTRUCTION (200)                              [14,000]
      NAVAL COMPLEX SAN DIEGO
        FAMILY HOUSING                                               [14,000]
                                                                   ----------
  **NAVY
        FAMILY HOUSING                                               [47,750]
                                                                   ----------
**CALIFORNIA                                                          655,723
      (MEMO-NON-ADD)                                                  (1,081)
       AUTHORIZED IN PRIOR YEAR                                      (97,750)
       FAMILY HOUSING                                                [87,750]


COLORADO
  ARMY
    FORT CARSON
     BATTALION HEADQUARTERS                                1,350
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED
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         INSIDE THE UNITED STATES               DATA AS OF 04 FEB 1986
              ($ THOUSANDS)
STATE/COMP./INSTALLATION
-------------------PROJECT NAME---------------     PROJ COST       TOTAL
COLORADO                                           ----------  ----------
  ARMY
    FORT CARSON
     CHILD CARE CENTER
     COMPANY OPERATIONS AND SUPPLY                      2,600
     COMPANY OPERATIONS AND SUPPLY ADDITION             2,100
     MULTI-PURPOSE RANGE COMPLEX-HEAVY                  1,100
     RANGE ROADS - PHASE II                            24,000
     TACTICAL EQUIPMENT SHOP                            3,080
      FORT CARSON                                      12,600

    PUEBLO DEPOT ACTIVITY                                          46,800
     AMMUNITION CONTAINER LOADING YARD
      PUEBLO DEPOT ACTIVITY                               200

  **ARMY                                                              200
                                                                ----------
  AIR FORCE                                                        47,000
    BUCKLEY ANG BASE
     AEROSPACE DATA FACILITY
     SECURITY POLICE OPERATIONS FACILITY               11,700
      BUCKLEY ANG BASE                                    670

    LOWRY AFB                                                      12,370
     COLD STORAGE FACILITY
      LOWRY AFB                                         3,350

    PETERSON AFB                                                    3,350
     TEST DEVELOPMENT & TNG CENTER-PHASE 2
      PETERSON AFB                                      5,200

    US AIR FORCE ACADEMY                                            5,200
     ADD-ALTER AERONAUTICS LABORATORY
     ADD-ALTER COMPUTER CENTER                          3,400
     ADD-ALTER VEHICLE MAINTENANCE SHOP                   440
     ECIP-HVAC                                            900
     RECYCLE COOLING WATER                              1,500
      US AIR FORCE ACADEMY                                400

  **AIR FORCE                                                       6,640
                                                                ----------
  NAVY RESERVE                                                     27,560
    NRC FORT CARSON
     RESERVE CENTER ADDITION
      NRC FORT CARSON                                   2,050

  AIR FORCE RESERVE                                                 2,050
    PETERSON AFB
     AIRCRAFT MAINTENANCE DOCK
      PETERSON AFB                                      3,560

***FAMILY HOUSING***                                                3,560

  ARMY
    FORT CARSON
     NEW CONSTRUCTION (50)
      FORT CARSON                                       [712]
        FAMILY HOUSING

**COLORADO                                                          [712]
                                                                ----------
        FAMILY HOUSING                                             80,170
                                                                    [712]

CONNECTICUT
  NAVY
    NAVAL HOSPITAL GROTON
     HOSPITAL EXPANSION
      NAVAL HOSPITAL GROTON                             8,720
                                                                    8,720
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STATE/COMP./INSTALLATION ----------------PROJECT NAME----------------	PROJ COST	TOTAL
CONNECTICUT		
NAVY		
NAVAL SUBMARINE BASE NEW LONDON		
SUBMARINE MAGNETIC SILENCING FACILITY	385	
NAVAL SUBMARINE BASE NEW LONDON		385
NAVAL SUBMARINE SCHOOL NEW LONDON		
SUBMARINE TRAINING BUILDING	13,300	
NAVAL SUBMARINE SCHOOL NEW LONDON		13,300

**NAVY		22,385
DEFENSE LOGISTICS AGENCY		
DEF PROPERTY DISPOSAL OFFICE GROTON		
CONFORMING STORAGE	625	
DEF PROPERTY DISPOSAL OFFICE GROTON		625
AIR NATIONAL GUARD		
BRADLEY FIELD		
ALTER HANGAR	1,440	
FIRE SUPPRESSION SYSTEM	570	
BRADLEY FIELD		2,010

**CONNECTICUT		25,020
DELAWARE		
AIR FORCE		
DOVER AFB		
ADD-ALTER AERIAL REFUELING PART TASK TRNG	1,050	
ADD-ALTER FLIGHT SIMULATOR TRAINING FAC	1,250	
BASE HAZARDOUS STORAGE	430	
BASE SUPPLY AND EQUIPMENT SHED	360	
EXTEND RUNWAY-LAND ACQUISITION	13,800	
DOVER AFB		16,890
ARMY NATIONAL GUARD		
NEW CASTLE		
ORGANIZATIONAL MAINTENANCE SHOP	494	
NEW CASTLE		494

**DELAWARE		17,384
DISTRICT OF COLUMBIA		
ARMY		
WALTER REED ARMY MED CTR		
ENERGY MONITORING AND CONTROL SYSTEM	1,150	
WALTER REED ARMY MED CTR		1,150
NAVY		
COMMANDANT NAVAL DISTRICT WASHINGTON		
ADMINISTRATIVE OFFICE MODERNIZATION	6,300	
COMMANDANT NAVAL DISTRICT WASHINGTON		6,300
NAVAL RESEARCH LABORATORY WASHINGTON		
ELECTRONIC WARFARE LABORATORY	23,000	
NAVAL RESEARCH LABORATORY WASHINGTON		23,000

**NAVY		29,300
AIR FORCE		
BOLLING AFB		
ECIP-FACILITY ENERGY IMPROVEMENTS	250	
BOLLING AFB		250

**DISTRICT OF COLUMBIA		30,700

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STATE/COMP./INSTALLATION -----------------PROJECT NAME---------------	PROJ COST	TOTAL
FLORIDA		
NAVY		
NAVAL AIR STATION CECIL FIELD		
AIR COMBAT TRNG RANGE & LAND ACQUISITION	26,250	
AIRCRAFT PARKING APRON	2,800	
TRAINING RANGE DEBRIEFING FACILITY	785	
NAVAL AIR STATION CECIL FIELD		29,835
NAVAL AIR STATION JACKSONVILLE		
ANTI-SUBMARINE WARFARE AIRCRAFT TRNG BLDGS	5,800	
NAVAL AIR STATION JACKSONVILLE		5,800
NAVAL AIR STATION PENSACOLA		
FACILITY ENERGY IMPROVEMENTS	225	
NAVAL AIR STATION PENSACOLA		225
NAVAL AIR STATION WHITING FIELD		
PAY AND PERSONNEL SUPPORT OFFICE	810	
NAVAL AIR STATION WHITING FIELD		810
NAVAL EXPLOSIVE ORD DISPOSAL SCHOOL EGLIN		
EXPLOSIVE ORDNANCE DISPOSAL TRNG FACS	13,700	
NAVAL EXPLOSIVE ORD DISPOSAL SCHOOL EGLIN		13,700
NAVAL HOSPITAL JACKSONVILLE		
HOSPITAL ADDITION	17,600	
NAVAL HOSPITAL JACKSONVILLE		17,600
NAVAL HOSPITAL PENSACOLA		
MEDICAL AND DENTAL CLINIC	7,250	
NAVAL HOSPITAL PENSACOLA		7,250
NAVAL OCEANOGRAPHY CMD FAC JACKSONVILLE		
METEOROLOGICAL BUILDING ADDITION	390	
NAVAL OCEANOGRAPHY CMD FAC JACKSONVILLE		390
NAVAL STATION MAYPORT		
FIRE AND RESCUE STATION ADDITION	210	
FLEET TRAINING SUPPORT FACILITY	810	
HELICOPTER MAINTENANCE HANGAR	9,800	
NAVAL STATION MAYPORT		10,820
NAVAL SUPPLY CENTER JACKSONVILLE		
FUEL TRUCK LOADING FACILITY	1,270	
WATERFRONT TRANSIT SHED	285	
NAVAL SUPPLY CENTER JACKSONVILLE		1,555
NAVAL TECHNICAL TRAINING CENTER PENSACOLA		
BACHELOR ENLISTED QUARTERS IMPROVEMENTS	4,300	
NAVAL TECHNICAL TRAINING CENTER PENSACOLA		4,300
NAVAL TRAINING CENTER ORLANDO		
BARRACKS	9,400	
NAVAL TRAINING CENTER ORLANDO		9,400
NAVY PUBLIC WORKS CENTER PENSACOLA		
ELECTRICAL DISTRIBUTION SYSTEM IMPROVMENTS	8,430	
NAVY PUBLIC WORKS CENTER PENSACOLA		8,430
NAVY REG DATA AUTOMATION CTR JACKSONVILLE		
DATA PROCESSING CENTER	9,300	
NAVY REG DATA AUTOMATION CTR JACKSONVILLE		9,300
**NAVY		119,415
AIR FORCE		
EGLIN AFB		
HEAVY METAL WEAPONS R&D FACILITY	5,500	

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FLORIDA		
AIR FORCE		
EGLIN AFB		
MOBILITY READINESS FACILITY	3,000	
SEWAGE TREATMENT PLANT	2,800	
SOUND SUPPRESSOR SUPPORT	960	
EGLIN AFB		12,260
EGLIN AFB AUXILIARY FIELD 9		
ALTER DINING HALL	1,700	
EGLIN AFB AUXILIARY FIELD 9		1,700
HOMESTEAD AFB		
F-16 ADD-ALTER AGS PARTS STORE	410	
F-16 ADD-ALTER FLIGHT SIMULATOR TRAINING F	1,200	
F-16 ADD-ALTER VARIOUS MAINTENANCE FACILIT	325	
F-16 ADD-ALTER WEAPONS RELEASE SYSTEMS SHO	510	
F-16 ALTER FUEL SYSTEMS MAINTENANCE HANGAR	1,050	
MUNITIONS FACILITIES	970	
VEHICLE MAINTENANCE SHOP & OPERATIONS FAC	900	
VISITING OFFICERS QUARTERS	1,300	
HOMESTEAD AFB		6,665
MACDILL AFB		
ADD-ALTER REDCOM HEADQUARTERS FACILITY	1,500	
ALTER AIRCRAFT CORROSION CONTROL FACILITY	500	
ALTER BASE ROADS	2,850	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	4,000	
MACDILL AFB		8,850
TYNDALL AFB		
ACFT COMBAT MANEUV INSTRUMENTATION FAC	1,100	
ARM-DISARM PAD	980	
UNACCOMP ENLISTED PERSONNEL HOUSING	2,500	
WEAPONS EVALUATION-OPERATIONS FACILITY	2,650	
TYNDALL AFB		7,230

**AIR FORCE		36,705
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT PORT TAMPA		
FIRE PROTECTION	595	
DEF FUEL SUPPORT POINT PORT TAMPA		595
ARMY NATIONAL GUARD		
LAKE WALES		
ARMORY ADD/RENOV	461	
LAKE WALES		461
ORLANDO		
ARMORY EXPAN/ALT	741	
ORLANDO		741

**ARMY NATIONAL GUARD		1,202
ARMY RESERVE		
JACKSONVILLE		
ADD/ALTER RESERVE CENTER/MAINT FACILITY	1,763	
JACKSONVILLE		1,763
FORT LAUDERDALE		
ADD/ALTER RESERVE CENTER/MAINT FACILITY	2,466	
FORT LAUDERDALE		2,466
TALLAHASSEE		
ADD/ALTER RESERVE CENTER/MAINT FACILITIES	2,851	
TALLAHASSEE		2,851

**ARMY RESERVE		7,080

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($ THOUSANDS)

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STATE/COMP./INSTALLATION --------------------PROJECT NAME----------------	PROJ COST	TOTAL
FLORIDA		
AIR FORCE RESERVE		
EGLIN AUX FIELD 3		
FLIGHT SIMULATOR FACILITY	3,850	
EGLIN AUX FIELD 3		3,850
**FLORIDA		166,847
GEORGIA		
ARMY		
FORT BENNING		
CONVERT BUILDINGS TO OFFICER QUARTERS	11,400	
MEDICAL SUPPLY WAREHOUSE	1,600	
RANGER CAMP MODIFICATIONS	5,100	
TACTICAL EQUIPMENT SHOP	4,550	
TRAINEE BARRACKS	17,000	
FORT BENNING		39,650
FORT GORDON		
ADDITION TO DATA PROCESSING BUILDING	780	
APPLIED INSTRUCTION FACILITY	5,800	
APPLIED INSTRUCTION FACILITY	14,600	
BARRACKS WITH DINING FACILITY	23,000	
MODIFIED RECORD FIRE RANGE	860	
OPERATIONS BUILDING	1,000	
FORT GORDON		46,040
FT STEWART/HUNTER AAF		
DINING FACILITY MODERNIZATION	1,150	
SNIPER TRAINING RANGE	1,150	
TACTICAL EQUIPMENT SHOP	8,100	
TACTICAL EQUIPMENT SHOP	8,200	
VEHICLE WASH FACILITY	6,500	
FT STEWART/HUNTER AAF		25,100
**ARMY		110,780
NAVY		
NAVAL SUBMARINE BASE KINGS BAY		
BACHELOR ENLISTED QUARTERS & ADMIN FAC	5,400	
COMMAND AND CONTROL SYSTEMS SHOP	6,800	
COMMUNICATIONS ANTENNA FACILITIES	1,670	
COMMUNITY IMPACT ASSISTANCE	6,140	
CONSOLIDATED PERSONNEL SUPPORT FACILITY	3,230	
CONTROLLED INDUSTRIAL FACILITY	7,550	
DREDGING	22,200	
DRYDOCK	40,000	
EXPLOSIVES HANDLING WHARF	39,010	
HULL SHOPS	12,100	
REFIT WAREHOUSE	7,920	
STRATEGIC WEAPONS FACILITY (PHASE I)	81,380	
STRATEGIC WEAPONS MAGAZINES	12,400	
TENDER MOORING AND LAY BERTHS	23,500	
UTILITIES AND SITE IMPROVEMENTS	30,000	
NAVAL SUBMARINE BASE KINGS BAY		299,280
AIR FORCE		
MOODY AFB		
AIRCRAFT MAINTENANCE UNIT FACILITY	800	
ALTER ELECTRICAL DISTRIBUTION SYSTEM	4,750	
F-16 ADD-ALTER ENGINE INSP AND REPAIR SHOP	1,250	
F-16 ADD-ALTER FIELD TRAINING FACILITY	1,800	
F-16 ADD-ALTER VARIOUS OPNS AND MAINT FAC	2,950	
F-16 AVIONICS SHOP	3,200	
F-16 FLIGHT SIMULATOR TRAINING FACILITY	1,600	

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STATE/COMP./INSTALLATION ------------------PROJECT NAME----------------	PROJ COST	TOTAL
GEORGIA		
AIR FORCE		
MOODY AFB	980	
SOUND SUPPRESSOR SUPPORT	6,900	
VARIOUS MUNITIONS STORAGE-OPERATIONS FAC		24,030
MOODY AFB		
ROBINS AFB	1,950	
FIRE PROTECTION-AVIONICS FACILITIES	5,400	
LARGE ITEM STORAGE FACILITY		7,350
ROBINS AFB		----------
		31,380
**AIR FORCE		
DEFENSE LEVEL ACTIVITIES		
FORT BENNING	1,693	
ELEMENTARY SCHOOLS EXPANSION		1,693
FORT BENNING		
NAVY RESERVE		
NAS ATLANTA	1,400	
AIRCRAFT INTERMEDIATE MAINT EXPANSION		1,400
NAS ATLANTA		
AIR FORCE RESERVE		
DOBBINS AFB	891	
APPROACH LIGHTS		891
DOBBINS AFB		
FAMILY HOUSING		
ARMY		
FORT STEWART	[253]	
NEW CONSTRUCTION (20)		
FORT STEWART		[253]
FAMILY HOUSING		----------
		445,434
**GEORGIA		[253]
FAMILY HOUSING		
HAWAII		
ARMY		
POHAKULOA TRAINING AREA	2,150	
AMMUNITION STORAGE		2,150
POHAKULOA TRAINING AREA		
SCHOFIELD BARRACKS	5,900	
AIR CONDITIONING UPGRADE	850	
AUTOMATED FIELD FIRE RANGE	1,850	
COMPANY COMBINED ARMS ASSAULT COURSE	2,700	
DINING FACILITY MODERNIZATION	400	
INSTALL ELECTRICAL OUTLETS	1,550	
OPERATIONS BUILDING	510	
SECURITY FENCE WITH LAND ACQUISITION	11,200	
TACTICAL EQUIPMENT SHOP	3,650	
TACTICAL EQUIPMENT SHOP		28,610
SCHOFIELD BARRACKS		
FORT SHAFTER	6,300	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING		6,300
FORT SHAFTER		
TRIPLER ARMY MEDICAL CENTER	970	
ALTERNATE ELECTRIC POWER SOURCE		970
TRIPLER ARMY MEDICAL CENTER		----------
		38,030
**ARMY		

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STATE/COMP./INSTALLATION -----PROJECT NAME-----	PROJ COST	TOTAL
HAWAII		
NAVY		
COM OCEANOGRAPHIC SYS PACIFIC PEARL HARBOR		
NAVAL OCEAN PROCESSING FACILITY ADDITION	1,180	
COM OCEANOGRAPHIC SYS PACIFIC PEARL HARBOR		1,180
INTELLIGENCE CENTER PACIFIC PEARL HARBOR		
INTELLIGENCE CENTER ADDITION	2,900	
INTELLIGENCE CENTER PACIFIC PEARL HARBOR		2,900
MARINE CORPS AIR STATION KANEOHE BAY		
AVIATION SUPPLY FACILITIES	1,760	
ELECTRICAL DISTRIBUTION SYSTEM IMPROVMENTS	3,200	
GROUND SUPPORT EQUIPMENT FACILITIES	1,290	
HEAVY GUN SHOP	4,900	
MAINTENANCE HANGAR IMPROVEMENTS	940	
MEDICAL WAREHOUSE	4,310	
MARINE CORPS AIR STATION KANEOHE BAY		16,400
NAVAL SHIPYARD PEARL HARBOR		
HAZARDOUS AND FLAMMABLE STORAGE FACILITY	1,860	
NAVAL SHIPYARD PEARL HARBOR		1,860
NAVAL SUBMARINE BASE PEARL HARBOR		
BACHELOR ENLISTED QUARTERS MODERNIZATION	2,900	
NAVAL SUBMARINE BASE PEARL HARBOR		2,900
NAVAL WESTRN OCEANOGRAPHY CTR PEARL HARBOR		
METEOROLOGICAL BUILDING	4,500	
NAVAL WESTRN OCEANOGRAPHY CTR PEARL HARBOR		4,500
NAVY PUBLIC WORKS CENTER PEARL HARBOR		
ELECTRICAL DISTRIBUTION SYSTEM IMPROVMENTS	13,700	
NAVY PUBLIC WORKS CENTER PEARL HARBOR		13,700
**NAVY		43,440
AIR FORCE		
HICKAM AFB		
ECIP-FACILITY ENERGY IMPROVEMENTS	480	
HICKAM AFB		480
WHEELER AFB		
VARIOUS AIRCRAFT MAINT AND SUPPORT FACS	2,850	
WHEELER AFB		2,850
**AIR FORCE		3,330
AIR NATIONAL GUARD		
BARBERS POINT		
COMM-ELEC TRAINING COMPLEX	3,450	
BARBERS POINT		3,450
**HAWAII		50,220
IDAHO		
AIR FORCE		
MOUNTAIN HOME AFB		
CONTROL TOWER	2,200	
OTH-B RADAR OPNS-SOFTWARE SUPPORT FAC	9,000	
MOUNTAIN HOME AFB		11,200
AIR NATIONAL GUARD		
BOISE AIRPORT		
ADD TO-ALTER JET FUEL STOR-POL OPS FAC	2,120	
BOISE AIRPORT		2,120

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STATE/COMP./INSTALLATION -----PROJECT NAME-----	PROJ COST	TOTAL
IDAHO		
NAVY RESERVE		
NMC RC BOISE		
RESERVE TRAINING BUILDING	4,250	
NMC RC BOISE		4,250

**IDAHO		17,570
ILLINOIS		
ARMY		
ROCK ISLAND ARSENAL		
MODERNIZE MANUFACTURING FACILITY-REARM	26,000	
ROCK ISLAND ARSENAL		26,000
SAVANNA ARMY DEPOT		
AMMUNITION CONTAINER LOADING YARD	510	
SAVANNA ARMY DEPOT		510
FORT SHERIDAN		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,500	
FORT SHERIDAN		3,500

**ARMY		30,010
NAVY		
NAVAL TRAINING CENTER GREAT LAKES		
BARRACKS	10,600	
DIESEL ENGINEMAN TRNG FACILITY ADDITION	4,360	
PHYSICAL FITNESS CENTER	4,900	
NAVAL TRAINING CENTER GREAT LAKES		19,860
AIR FORCE		
CHANUTE AFB		
ADD-ALTER ACFT ENGINE TRAINING FACILITY	1,400	
CHANUTE AFB		1,400
SCOTT AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	4,000	
LAND EASEMENT	530	
SATELLITE COMMUNICATION GROUND TERMINAL	3,900	
SCOTT AFB		8,430

**AIR FORCE		9,830
ARMY NATIONAL GUARD		
BEARDSTOWN		
100 PERSON ARMORY	926	
BEARDSTOWN		926
ARMY RESERVE		
FREEPORT		
LAND ACQUISITION	60	
FREEPORT		60
FORT SHERIDAN		
MILITARY INTELLIGENCE TRAINING FACILITY	1,568	
FORT SHERIDAN		1,568

**ARMY RESERVE		1,628
NAVY RESERVE		
NAS GLENVIEW		
C-9 AIRCRAFT HANGAR	3,450	
TAXIWAY T-5 OVERLAY	3,500	
NAS GLENVIEW		6,950

**ILLINOIS		69,204

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
INDIANA		
ARMY		
FORT BENJAMIN HARRISON		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING		
FORT BENJAMIN HARRISON	5,300	
		5,300
INDIANA ARMY AMMUNITION PLANT		
CONVERT SHIPHOUSES TO EXPLOSIVE STORAGE		
(MEMO-NON-ADD)		
INDIANA ARMY AMMUNITION PLANT	(210)	
(MEMO-NON-ADD)		
		(210)
NEWPORT ARMY AMMUNITION PLANT		
BINARY COMPONENT PRODUCTION FACILITY		
(MEMO-NON-ADD)		
NEWPORT ARMY AMMUNITION PLANT	(39,000)	
(MEMO-NON-ADD)		
		(39,000)
**ARMY		5,300
(MEMO-NON-ADD)		(39,210)
AIR FORCE		
GRISSOM AFB		
BASE CIVIL ENGINEER COMPLEX		
GRISSOM AFB	1,700	
		1,700
ARMY NATIONAL GUARD		
CAMP ATTERBURY		
800 PERSON ARMORY		
COMBINED SUPPORT MAINTENANCE SHOP	3,980	
ORGANIZATIONAL MAINTENANCE SHOP	1,822	
UNIT TRAINING EQUIPMENT SITE	812	
CAMP ATTERBURY	1,527	
		8,141
AIR NATIONAL GUARD		
FT WAYNE MAP		
ACFT WEAPONS CALIBRATION SHELTER		
FT WAYNE MAP	800	
		800
AIR FORCE RESERVE		
GRISSOM AFB		
AIRCRAFT MAINTENANCE HANGAR-SHOPS		
GRISSOM AFB	8,604	
		8,604
**INDIANA		24,545
(MEMO-NON-ADD)		(39,210)
IOWA		
ARMY		
IOWA AAP		
STORM DRAINAGE IMPROVEMENTS-YARD L		
(MEMO-NON-ADD)		
IOWA AAP	(810)	
(MEMO-NON-ADD)		
		(810)
ARMY NATIONAL GUARD		
CARROLL		
60 PERSON ARMORY		
CARROLL	590	
		590
CEDAR RAPIDS		
ARMORY ADDITION		
CEDAR RAPIDS	631	
		631
**ARMY NATIONAL GUARD		1,221

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

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            INSIDE THE UNITED STATES
                 ($ THOUSANDS)                      PROJ COST      TOTAL
STATE/COMP./INSTALLATION                            ---------- ----------
------------------PROJECT NAME---------------
IOWA
  ARMY RESERVE
    DAVENPORT                                          4,176
     ADD/ALTER RESERVE CENTER/MAINT FACILITY                        4,176
      DAVENPORT                                                ----------
                                                                    5,399
**IOWA                                                              (810)
       (MEMO-NON-ADD)


KANSAS
  ARMY
    KANSAS ARMY AMMUNITION PLANT
     REHABILITATE RAW WATER INTAKE                      (570)
       (MEMO-NON-ADD)
      KANSAS ARMY AMMUNITION PLANT                                  (570)
       (MEMO-NON-ADD)

    FORT LEAVENWORTH                                    4,350
     DINING FACILITY MODERNIZATION                      2,550
     HEALTH CLINIC                                                  6,900
      FORT LEAVENWORTH

    FORT RILEY                                          7,600
     AIRCRAFT MAINTENANCE HANGAR                        6,800
     AIRCRAFT MAINTENANCE HANGAR                        1,100
     BATTALION HEADQUARTERS                             1,950
     COMPANY OPERATIONS AND SUPPLY                      3,300
     DENTAL CLINIC                                        790
     ELECTRICAL UPGRADE                                 2,100
     HARDSTAND                                          3,100
     TACTICAL EQUIPMENT SHOP                           10,000
     TACTICAL EQUIPMENT SHOP                            2,750
     TACTICAL EQUIPMENT SHOP                            2,800
     TACTICAL EQUIPMENT SHOP ADDITION                              44,290
      FORT RILEY                                               ----------
                                                                   51,190
  **ARMY                                                            (570)
       (MEMO-NON-ADD)

  AIR FORCE
    MCCONNELL AFB                                       2,100
     B-1 ADD-ALTER AVIONICS MAINTENANCE SHOP            1,310
     B-1 ADD-ALTER COMMUNICATIONS FACILITY              3,500
     B-1 ADD-ALTER OPERATIONS & SUPPORT FAC             1,000
     B-1 ALTER UTILITIES SYSTEMS                        7,300
     B-1 AREA SECURITY IMPR-ALERT ACFT PARKING          1,830
     B-1 FIELD TRAINING FACILITY                       18,400
     B-1 HYDRANT FUEL WITH CASS PROVISIONS              6,400
     B-1 INTEGRATED MAINTENANCE FACILITY                1,900
     B-1 SUPPORT EQUIPMENT AND STORAGE FACILITY        17,000
     B-1 TWO BAY AIRCRAFT MAINTENANCE HANGAR              750
     B-1 WARHEAD MAINTENANCE-INSPECTION FACILIT         3,700
     B-1 WEAPONS CONVOY ROADS                           6,300
     B-1 WEAPONS STORAGE AREA AND IGLOOS                           71,490
      MCCONNELL AFB

  DEFENSE LOGISTICS AGENCY
    DEF PROPERTY DISPOSAL OFFICE FT RILEY                 965
     COVERED STORAGE                                                  965
      DEF PROPERTY DISPOSAL OFFICE FT RILEY

  AIR NATIONAL GUARD
    MCCONNELL AFB                                       2,500
     ADD TO-ALTER HANGAR BUILDING 41                      670
     AEROSPACE GROUND EQUIPMENT SHOP
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
KANSAS		
AIR NATIONAL GUARD		
MCCONNELL AFB		
FIRE SUPPRESSION SYSTEM	775	
WEAPONS CALIBRATION FACILITY	1,500	
MCCONNELL AFB		5,445
FAMILY HOUSING		
ARMY		
FORT RILEY		
NEW CONSTRUCTION (50)	[700]	
FORT RILEY		
FAMILY HOUSING		[700]

**KANSAS		129,090
(MEMO-NON-ADD)		(570)
FAMILY HOUSING		[700]
KENTUCKY		
ARMY		
FORT CAMPBELL		
FLIGHT SIMULATOR BUILDING	2,550	
MULTI-PURPOSE RANGE COMPLEX-LIGHT	16,000	
RAILROAD TRACK ACQUISITION	450	
TACTICAL EQUIPMENT SHOP	7,200	
FORT CAMPBELL		26,200
FORT KNOX		
CHILD CARE CENTER	4,300	
COMPANY OPERATIONS AND SUPPLY	870	
DINING FACILITIES MODERNIZATION	1,300	
TACTICAL EQUIPMENT SHOP	5,300	
VEHICULAR BRIDGE	8,800	
FORT KNOX		20,570

**ARMY		46,770
NAVY		
NAVAL ORDNANCE STATION LOUISVILLE		
GUN SHOP AND LAND ACQUISITION	4,210	
PLATING SHOP MODERNIZATION	12,740	
NAVAL ORDNANCE STATION LOUISVILLE		16,950
FAMILY HOUSING		
ARMY		
FORT CAMPBELL		
NEW CONSTRUCTION (50)	[689]	
FORT CAMPBELL		
FAMILY HOUSING		[689]

**KENTUCKY		63,720
FAMILY HOUSING		[689]
LOUISIANA		
ARMY		
LOUISIANA AAP		
HERBICIDE & PESTICIDE BUILDING		
(MEMO-NON-ADD)	(270)	
REPLACE EXPLOSION PROTECTION BARRICADE		
(MEMO-NON-ADD)	(370)	
LOUISIANA AAP		
(MEMO-NON-ADD)		(640)

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
LOUISIANA		
ARMY		
FORT POLK		
BATTALION HEADQUARTERS	1,150	
BATTALION HEADQUARTERS	1,250	
COMPANY OPERATIONS AND SUPPLY	3,600	
COMPANY OPERATIONS AND SUPPLY	2,200	
COMPANY OPERATIONS AND SUPPLY	980	
PHYSICAL FITNESS TRAINING CENTER	4,000	
TACTICAL EQUIPMENT SHOP	10,000	
FORT POLK		23,180

**ARMY		23,180
(MEMO-NON-ADD)		(640)
AIR FORCE		
BARKSDALE AFB		
ALTER FUEL SYSTEM MAINTENANCE DOCK	1,400	
BARKSDALE AFB		1,400
ENGLAND AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	1,400	
SECURITY POLICE OPERATIONS FACILITY	1,200	
ENGLAND AFB		2,600

**AIR FORCE		4,000
ARMY NATIONAL GUARD		
BATON ROUGE		
ORGANIZATIONAL MAINTENANCE SHOP	597	
BATON ROUGE		597
NAVY RESERVE		
NAVAL SUPPORT ACTIVITY NEW ORLEANS		
FAMILY SERVICES CENTER	570	
NAVAL SUPPORT ACTIVITY NEW ORLEANS		570
AIR FORCE RESERVE		
NEW ORLEANS NAS		
SQUADRON OPERATIONS FACILITY	1,820	
NEW ORLEANS NAS		1,820

**LOUISIANA		30,167
(MEMO-NON-ADD)		(640)
MAINE		
NAVY		
NAVAL AIR STATION BRUNSWICK		
PATROL AIRCRAFT MAINTENANCE TRAINING BLDG	3,040	
NAVAL AIR STATION BRUNSWICK		3,040
NAVAL SECURITY GROUP ACT WINTER HARBOR		
OCEAN SURVEILLANCE BUILDING ADDITION	2,400	
PUBLIC WORKS SHOP	880	
NAVAL SECURITY GROUP ACT WINTER HARBOR		3,280

**NAVY		6,320
MARYLAND		
ARMY		
ABERDEEN PROVING GROUND		
DINING FACILITIES MODERNIZATION	4,400	
LIGHTING MODIFICATIONS	270	
ABERDEEN PROVING GROUND		4,670

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($ THOUSANDS)

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STATE/COMP./INSTALLATION --------------------PROJECT NAME---------------	PROJ COST	TOTAL
MARYLAND		
ARMY		
FORT DETRICK		
OPERATIONS BUILDING	7,600	
FORT DETRICK		7,600
FORT GEORGE G MEADE		
RECORD FIRE RANGE UPGRADE	930	
SATELLITE COMMUNICATIONS TERMINAL BUILDING	18,000	
FORT GEORGE G MEADE		18,930

**ARMY		31,200
NAVY		
NAVAL ACADEMY ANNAPOLIS		
PUBLIC WORKS SHOPS AND STORAGE	1,880	
NAVAL ACADEMY ANNAPOLIS		1,880
NAVAL ELECTRONIC SYS ENGR ACT ST INIGOES		
COMBATANT COMMUNICATIONS ASSEMB & TEST FAC	4,000	
COMMAND, CONTROL, AND COMMUNICATIONS LAB	7,850	
UTILITIES IMPROVEMENTS	3,140	
NAVAL ELECTRONIC SYS ENGR ACT ST INIGOES		14,990
NAVAL ORDNANCE STATION INDIAN HEAD		
BACHELOR OFFICER QUARTERS MODERNIZATION	1,570	
NAVAL ORDNANCE STATION INDIAN HEAD		1,570

**NAVY		18,440
AIR FORCE		
ANDREWS AFB		
ALTER COMMUNICATIONS FACILITY	3,350	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	4,550	
ECIP-FACILITY ENERGY IMPROVEMENTS	420	
FIRE PROTECTION-VARIOUS FACILITIES	1,800	
ANDREWS AFB		10,120
NATIONAL SECURITY AGENCY		
FORT MEADE		
OUTDWELLER	6,000	
R&E FACILITY	21,364	
SAB 2 EQUIP PLATFORM	450	
TEST PAD	628	
FORT MEADE		28,442
AIR NATIONAL GUARD		
ANDREWS AFB		
SUPPORT EQUIP-NDI-POL OPERATIONS FAC	1,500	
ANDREWS AFB		1,500
ARMY RESERVE		
FORT MEADE		
ADD/ALTER RESERVE CENTER/MAINT FACILITY	4,887	
FORT MEADE		4,887
AIR FORCE RESERVE		
ANDREWS AFB		
ADD-ALTER AIRCRAFT MAINTENANCE HANGAR	3,800	
ALTER AIRCRAFT MAINTENANCE SHOPS	500	
AVIONICS-DCM FACILITY	2,000	
ANDREWS AFB		6,300

**MARYLAND		100,889
MASSACHUSETTS		
ARMY		
ARMY MATERIALS AND MECHANICS RSCH CENTER		
WATER POLLUTION ABATEMENT	770	
ARMY MATERIALS AND MECHANICS RSCH CENTER		770

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     ACTIVE, GUARD AND RESERVE FORCES            DATA AS OF 04 FEB 1986
          INSIDE THE UNITED STATES
               ($ THOUSANDS)                          PROJ COST      TOTAL
STATE/COMP./INSTALLATION                              ----------  ----------
------------------PROJECT NAME---------------
MASSACHUSETTS
  ARMY
    FORT DEVENS                                              610
      NBC DEFENSE INSTRUCTION FACILITY                                   610
       FORT DEVENS                                                ----------
                                                                       1,380
  **ARMY

  AIR FORCE
    CAPE COD                                                 500
      PAVE PAWS ELECTOMAGNETIC PULSE PROTECTION                          500
       CAPE COD

    HANSCOM AFB                                           13,700
      ALTER CENTRAL HEAT PLANT                            11,000
      SYSTEMS MANAGEMENT ENGINEERING FACILITY                         24,700
       HANSCOM AFB                                                ----------
                                                                      25,300
  **AIR FORCE

  AIR NATIONAL GUARD
    BARNES MAP                                             2,100
      MED TNG AND ADMIN-TELECOM-SECURITY FAC                           2,100
       BARNES MAP

***FAMILY HOUSING***

  ARMY
    FORT DEVENS                                            [317]
      NEW CONSTRUCTION (20)                                            [317]
       FORT DEVENS                                                ----------
         FAMILY HOUSING                                               28,780
**MASSACHUSETTS                                                        [317]
         FAMILY HOUSING


MICHIGAN
  ARMY
    DETROIT ARSENAL                                          320
      WINDOW REPLACEMENT                                                 320
       DETROIT ARSENAL

  AIR FORCE
    KI SAWYER AFB                                            360
      ALCM-ALTER OPERATIONS FACILITIES                     6,500
      ALCM-MUNITIONS UPLOAD TRAINING FACILITY                650
      ALCM-SUPPORT EQUIP CORROSION CONTROL FAC             1,400
      ALCM-SUPPORT EQUIP MAINTENANCE SHOP                    710
      ALCM-UNARMED WEAPONS STORAGE FACILITY                  310
      ALCM-VEHICLE PARKING FACILITY                        2,650
      ALCM-WEAPONS CONVOY ROADS                            6,600
      ALCM-WEAPONS STORAGE IGLOOS                          3,400
      ALTER UNACCOMP ENLISTED PERSONNEL HOUSING                       22,580
       KI SAWYER AFB

    WURTSMITH AFB                                          5,300
      ALTER UNACCOMP ENLISTED PERSONNEL HOUSING                        5,300
       WURTSMITH AFB                                              ----------
                                                                      27,880
  **AIR FORCE

  ARMY NATIONAL GUARD
    CAMP GRAYLING                                          6,008
      MOBILIZATION & TRAINING EQUIPMENT SITE                 976
      MOTOR POOL - TRAINING SITE
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION --PROJECT NAME--	PROJ COST	TOTAL
MICHIGAN		
ARMY NATIONAL GUARD		
CAMP GRAYLING		
WINTERIZE TNG FACIL PHI	833	
CAMP GRAYLING		7,817
SAULT STE MARIE		
MOTOR VEHICLE STORAGE BUILDING	676	
SAULT STE MARIE		676
**ARMY NATIONAL GUARD		8,493
AIR NATIONAL GUARD		
PHELPS-COLLINS APT		
DORMITORY WINTERIZATION	1,800	
JET FUEL STORAGE COMPLEX	2,500	
PHELPS-COLLINS APT		4,300
SELFRIDGE ANGB		
REFUEL MAINT-POL OPNS-VEHICLE PARKING	1,080	
SQUADRON OPERATIONS-MAINT CONTROL FAC	2,200	
SELFRIDGE ANGB		3,280
WK KELLOGG REGIONAL AIRPORT		
FUEL SYSTEM MAINTENANCE DOCK	1,700	
WK KELLOGG REGIONAL AIRPORT		1,700
**AIR NATIONAL GUARD		9,280
**MICHIGAN		45,973
MINNESOTA		
ARMY NATIONAL GUARD		
APPLETON		
ORGANIZATIONAL MAINTENANCE SHOP	426	
APPLETON		426
CAMP RIPLEY		
RANGE	391	
USPFO WAREHOUSE	1,484	
CAMP RIPLEY		1,875
**ARMY NATIONAL GUARD		2,301
NAVY RESERVE		
NMCRC TWIN CITIES		
RESERVE TRAINING BUILDING ADDITION	600	
NMCRC TWIN CITIES		600
**MINNESOTA		2,901
MISSISSIPPI		
NAVY		
NAVAL AIR STATION MERIDIAN		
ROAD IMPROVEMENTS	450	
NAVAL AIR STATION MERIDIAN		450
NAVAL CONSTRUCTION BATTALION CTR GULFPORT		
RESTORATION OF DAMAGED FACILITIES	2,100	
SEABEE EQUIPMENT MAINTENANCE FACILITY	2,550	
NAVAL CONSTRUCTION BATTALION CTR GULFPORT		4,650
NAVAL CONSTRUCTION TRAINING CTR GULFPORT		
SEABEE TRAINING BUILDINGS	2,400	
NAVAL CONSTRUCTION TRAINING CTR GULFPORT		2,400
**NAVY		7,500

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

DATA AS OF 04 FEB 1986

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MISSISSIPPI		
AIR FORCE		
KEESLER AFB	8,400	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,100	
ELECTRONIC ASSEMBLY & CHECKOUT FACILITY	8,800	
*HURRICANE DAMAGE		19,300
KEESLER AFB		(8,800)
AUTHORIZED IN PRIOR YEAR		
ARMY NATIONAL GUARD		
CAMP MCCAIN	3,300	
LAND ACQUISITION		3,300
CAMP MCCAIN		
CAMP SHELBY	330	
LAND ACQUISITION		330
CAMP SHELBY		
GULFPORT	5,277	
AVIATION CLASSIFICATION REPAIR ACT DEPOT		5,277
GULFPORT		8,907
**ARMY NATIONAL GUARD		
AIR NATIONAL GUARD		
KEY FIELD	1,900	
JET FUEL STORAGE-DISPENSING SYSTEM		1,900
KEY FIELD		37,667
**MISSISSIPPI		(8,800)
AUTHORIZED IN PRIOR YEAR		
MISSOURI		
ARMY		
LAKE CITY AAP		
ENCLOSE WAREHOUSE LOADING DOCKS	(930)	
(MEMO-NON-ADD)		
LAKE CITY AAP		(930)
(MEMO-NON-ADD)		
FORT LEONARD WOOD	1,150	
GENERAL INSTRUCTION BUILDING	2,800	
GENERAL INSTRUCTION BUILDING	7,500	
RECEPTEE PROCESSING BUILDING		11,450
FORT LEONARD WOOD		
		11,450
**ARMY		(930)
(MEMO-NON-ADD)		
AIR FORCE		
WHITEMAN AFB	2,400	
ADD-ALTER GYMNASIUM	2,250	
FIRE STATION		4,650
WHITEMAN AFB		
ARMY NATIONAL GUARD		
HARRISONVILLE	884	
100 PERSON ARMORY		884
HARRISONVILLE		
JEFFERSON CITY	1,342	
ARMORY ADD/ALT		1,342
JEFFERSON CITY		
LEXINGTON	744	
ARMORY ADD/ALT		744
LEXINGTON		2,970
**ARMY NATIONAL GUARD		

* AUTHORIZED IN PRIOR YEAR

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

     ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 04 FEB 1986
         INSIDE THE UNITED STATES
              ($ THOUSANDS)
STATE/COMP./INSTALLATION                           PROJ COST      TOTAL
--------------------PROJECT NAME----------------  ----------  ----------
MISSOURI
  ARMY RESERVE
    FORT LEONARD WOOD
     ARMY RESERVE CENTER                               2,018
      FORT LEONARD WOOD                                             2,018

  NAVY RESERVE
    NMCRC KANSAS CITY
     ALTERATIONS/REPAIR RESERVE TRAINING BLDG.         4,000
      NMCRC KANSAS CITY                                             4,000
                                                                ----------
**MISSOURI                                                         25,088
      (MEMO-NON-ADD)                                                (930)


MONTANA
  AIR FORCE
    MALMSTROM AFB
     ECIP-FACILITY ENERGY IMPROVEMENTS                 1,300
      MALMSTROM AFB                                                 1,300

  ARMY NATIONAL GUARD
    CHINOOK
     ORGANIZATIONAL MAITENANCE SHOP                      428
      CHINOOK                                                         428

    FT WM HENRY HARRISON
     COMBINED SUPPORT MAINTENANCE SHOP                 1,959
      FT WM HENRY HARRISON                                          1,959
                                                                ----------
  **ARMY NATIONAL GUARD                                             2,387

  AIR NATIONAL GUARD
    GREAT FALLS IAP
     BASE ENGINEER MAINTENANCE FACILITY                  990
      GREAT FALLS IAP                                                 990

  ARMY RESERVE
    BILLINGS
     ADD/ALTER RESERVE CENTER/MAINT FACILITIES         1,314
      BILLINGS                                                      1,314
                                                                ----------
**MONTANA                                                           5,991


NEBRASKA
  AIR FORCE
    OFFUTT AFB
     ECIP-ENERGY RECOVERY SYSTEMS                        360
     HEADQUARTERS COMMAND POST                         5,700
     PEACEKEEPER-ADD-ALT AIR LAUNCH CONTROL CTR          430
     UNACCOMP ENLISTED PERS HSG-SILVER CREEK             550
      OFFUTT AFB                                                    7,040


NEVADA
  NAVY
    NAVAL AIR STATION FALLON
     AIRCRAFT PARKING APRON                            8,230
     CONTROL TOWER                                     2,350
     RANGE IMPROVEMENTS                               10,000
     STRIKE WARFARE TRAINING BUILDING                  7,350
     UTILITY SYSTEMS IMPROVEMENTS                      6,570
      NAVAL AIR STATION FALLON                                     34,500

  AIR FORCE
    NELLIS AFB
     ADD-ALTER BASE ACCESS ROADS                       3,200
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION ----------PROJECT NAME----------	PROJ COST	TOTAL
NEVADA		
AIR FORCE		
NELLIS AFB		
ALTER AIRCRAFT CORROSION CONTROL FACILITY	2,050	
PLSS-SOFTWARE SUPPORT FACILITY	2,800	
RED FLAG SUPPORT FACILITY	2,800	
SOUND SUPPRESSOR SUPPORT	610	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	9,600	
NELLIS AFB		21,060

**NEVADA		55,560
NEW HAMPSHIRE		
AIR FORCE		
PEASE AFB		
ECIP-HVAC	610	
REFUEL VEHICLE HEATED STORAGE FACILITY	590	
PEASE AFB		1,200
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT NEWINGTON		
FIRE PROTECTION	1,040	
DEF FUEL SUPPORT POINT NEWINGTON		1,040

**NEW HAMPSHIRE		2,240
NEW JERSEY		
ARMY		
FT DIX		
AUTOMATED FIELD FIRE RANGE	3,000	
DINING FACILITIES MODERNIZATION	330	
VEHICLE MAINTENANCE INSTRUCTION FACILITY	920	
FT DIX		4,250
MIL OCEAN TERM BAYONNE		
BOILER AND REFRIGERATION PLANT AUTOMATION	1,000	
INSULATION AND WEATHERSTRIPPING	2,200	
MIL OCEAN TERM BAYONNE		3,200
PICATINNY ARSENAL		
INSULATE STEAM LINES	1,000	
PICATINNY ARSENAL		1,000

**ARMY		8,450
NAVY		
NAVAL AIR ENGINEERING CENTER LAKEHURST		
ENERGY MONITORING AND CONTROL SYSTEM	600	
NAVAL AIR ENGINEERING CENTER LAKEHURST		600
NAVAL WEAPONS STATION EARLE		
MINE ASSEMBLY FACILITY	780	
WEAPONS HANDLING FACILITY	2,940	
NAVAL WEAPONS STATION EARLE		3,720

**NAVY		4,320
AIR FORCE		
MCGUIRE AFB		
AERIAL REF PART TASK TRAINING FACILITY	1,050	
AIRCRAFT MAINTENANCE HANGAR	7,300	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	6,200	
MCGUIRE AFB		14,550
ARMY NATIONAL GUARD		
FT DIX		
TRAINING CENTER	4,299	
FT DIX		4,299

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NEW JERSEY		
ARMY NATIONAL GUARD		
HACKETTSTOWN		
ARMORY ADD/ALT	741	
HACKETTSTOWN		741
TEANECK		
ORGANIZATIONAL MAINT SHOP ADD/ALT	426	
TEANECK		426
TRENTON		
DIRECT SUPPORT LOGISTIC FACIL - DIVISION	1,172	
TRENTON		1,172
**ARMY NATIONAL GUARD		6,638
FAMILY HOUSING		
NAVY		
NAVAL WEAPONS STATION EARLE		
NEW CONSTRUCTION (200)	[14,500]	
NAVAL WEAPONS STATION EARLE		
FAMILY HOUSING		[14,500]
**NEW JERSEY		33,958
FAMILY HOUSING		[14,500]
NEW MEXICO		
ARMY		
FORT WINGATE		
AMMUNITION CONTAINER LOADING YARD	490	
FORT WINGATE		480
AIR FORCE		
CANNON AFB		
MELROSE RANGE-LAND ACQUISITION	12,500	
CANNON AFB		12,500
HOLLOMAN AFB		
ADD-ALTER RADAR TARGET SCATTER COMP	13,700	
BASE CIVIL ENGINEER MAINTENANCE SHOPS	1,300	
VEHICLE MAINTENANCE SHOP	1,650	
HOLLOMAN AFB		16,650
KIRTLAND AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	5,000	
COMMUNICATION DUCT SYSTEM	1,300	
COMPUTER-VAULT FACILITY	4,300	
DANGEROUS CARGO PAD	1,900	
ECIP-FACILITY ENERGY IMPROVEMENTS	830	
KIRTLAND AFB		13,330
**AIR FORCE		42,680
ARMY NATIONAL GUARD		
GALLUP		
60 PERSON ARMORY	716	
GALLUP		716
HOBBS		
100 PERSON ARMORY	755	
HOBBS		755
RATON		
60 PERSON ARMORY	716	
RATON		716
**ARMY NATIONAL GUARD		2,187

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

      ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
          INSIDE THE UNITED STATES
               ($ THOUSANDS)                     PROJ COST      TOTAL
STATE/COMP./INSTALLATION                         ----------  ----------
-------------------PROJECT NAME---------------
NEW MEXICO
  ARMY RESERVE
    ALBUQUERQUE                                      2,442
     ADD/ALTER ARMED FORCES RESERVE CENTER                       2,442
      ALBUQUERQUE

  NAVY RESERVE
    AFRC ALBUQUERQUE                                   470
     RESERVE TRAINING BUILDING ADDITION                            470
      AFRC ALBUQUERQUE                                       ----------
                                                                48,269
**NEW MEXICO


NEW YORK
  ARMY
    FORT DRUM                                        2,000
     CHILD CARE CENTER                                 250
     COMMUNITY IMPACT PLANNING                         990
     FIRE STATION                                   82,500
     UTILITIES                                                  85,740
      FORT DRUM

    SENECA ARMY DEPOT                                  460
     AMMUNITION CONTAINER LOADING YARD                 360
     ENERGY MONITORING AND CONTROL SYSTEM              590
     VAPOR BARRIER ADDITION                                      1,410
      SENECA ARMY DEPOT

    U S MILITARY ACADEMY                             8,600
     BOILER CONVERSION                               1,400
     CHEMISTRY LABORATORY MODERNIZATION              5,000
     ENERGY MONITORING SYSTEM EXPANSION              5,300
     EXPAND ACADEMIC FACILITY                                   20,300
      U S MILITARY ACADEMY                                   ----------
                                                               107,450
  **ARMY

  NAVY
    NAVAL STATION NEW YORK                          39,700
     BERTHING PIER                                     200
     COMMUNITY IMPACT PLANNING                       2,940
     LAND ACQUISITION                                3,920
     SITE IMPROVEMENTS                              14,600
     UTILITIES                                                  61,360
      NAVAL STATION NEW YORK

  AIR FORCE
    GRIFFISS AFB                                     1,100
     ALCM IGLOO                                        430
     REFUEL VEHICLE HEATED STORAGE FACILITY          1,210
     TEMPEST SECURE INTELLIGENCE LABORATORIES                    2,740
      GRIFFISS AFB

    PLATTSBURGH AFB                                  1,050
     ECIP-FACILITY ENERGY IMPROVEMENTS                           1,050
      PLATTSBURGH AFB                                        ----------
                                                                 3,790
  **AIR FORCE

  DEFENSE LOGISTICS AGENCY
    DEF FUEL SUPPORT POINT VERONA                    1,395
     FUEL TANK ROOFS                                             1,395
      DEF FUEL SUPPORT POINT VERONA

  ARMY NATIONAL GUARD
    CAMP SMITH                                         403
     ENLISTED WOMEN'S BARRACKS                                     403
      CAMP SMITH
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION --------------------PROJECT NAME----------------	PROJ COST ----------	TOTAL ----------
NEW YORK		
ARMY NATIONAL GUARD		
CLINTON COUNTY		
100 PERSON ARMORY	954	
CLINTON COUNTY		954

**ARMY NATIONAL GUARD		1,357
AIR NATIONAL GUARD		
HANCOCK FIELD		
ACFT ENGINE INSP AND REPAIR SHOP	1,485	
HANCOCK FIELD		1,485
STEWART AIRPORT		
AIRCRAFT APRON-SITE PREPARATION	15,500	
AIRCRAFT MAINTENANCE SHOPS	3,000	
AUTOMOTIVE MAINTENANCE	900	
FUEL SYSTEMS MAINTENANCE HANGAR	10,000	
JET FUEL STORAGE	6,600	
STEWART AIRPORT		36,000

**AIR NATIONAL GUARD		37,485
ARMY RESERVE		
ORANGEBURG		
ARMY RESERVE CENTER/MAINT FACILITY	2,488	
ORANGEBURG		2,488
FAMILY HOUSING		
ARMY		
FORT DRUM		
NEW CONSTRUCTION (800)	[56,000]	
FORT DRUM		
FAMILY HOUSING		[56,000]

**NEW YORK		215,325
FAMILY HOUSING		[56,000]
NORTH CAROLINA		
ARMY		
FORT BRAGG		
AIRCRAFT MAINTENANCE HANGAR	9,400	
AMMUNITION STORAGE	490	
ANTI-ARMOR RANGE	4,050	
AVIATION FUEL STORAGE FACILITY	2,550	
DIVISION HEADQUARTERS	6,700	
ENERGY MONITORING SYSTEM EXPANSION	2,750	
FLIGHT SIMULATOR BUILDING	3,100	
LAND ACQUISITION	10,800	
PHYSICAL FITNESS TRAINING CENTER	2,000	
RUNWAY EXTENSION	770	
SNIPER TRAINING RANGE	1,200	
TACTICAL EQUIPMENT SHOP	11,000	
TEST EQUIPMENT CALIBRATION FACILITY	570	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	13,000	
FORT BRAGG		68,380
SUNNY POINT ARMY TERM		
ROAD AND STAGING AREA PAVING	1,200	
SUNNY POINT ARMY TERM		1,200

**ARMY		69,580
NAVY		
MARINE CORPS AIR STATION CHERRY POINT		
AVIATION SUPPLY WAREHOUSE	5,100	

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

DATA AS OF 04 FEB 1986

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NORTH CAROLINA		
NAVY		
MARINE CORPS AIR STATION CHERRY POINT		
BACHELOR ENLISTED QUARTERS	19,100	
MAINTENANCE HANGAR MODIFICATIONS	3,190	
OPERATIONS, TRAINING AND MAINTENANCE FACS	3,970	
PARACHUTE & SURVIVAL EQUIPIMENT SHOP ADDN	490	
VERTICAL TAKE-OFF AND LANDING PADS	4,600	
MARINE CORPS AIR STATION CHERRY POINT		36,450
MARINE CORPS AIR STATION NEW RIVER		
AVIATION READY FUEL STORAGE	2,000	
GROUND SUPPORT EQUIPMENT FACILITY	1,130	
HELICOPTER MAINTENANCE HANGAR	7,650	
MARINE CORPS AIR STATION NEW RIVER		10,780
MARINE CORPS BASE CAMP LEJUENE		
BACHELOR ENLISTED QUARTERS	9,500	
COMBAT VEHICLE MAINTENANCE SHOP	2,740	
ELECTRONICS AND COMMUNICATIONS MAINT SHOP	3,280	
LIGHT ARMORED VEHICLE MAINTENANCE SHOP	4,850	
SEWERAGE SYSTEM IMPROVEMENTS	1,220	
VEHICLE MECHANICS TRAINING BUILDING	2,550	
MARINE CORPS BASE CAMP LEJUENE		24,140
NAVAL AIR REWORK FACILITY CHERRY POINT		
HAZARDOUS AND FLAMMABLE STORAGE FACILITY	1,720	
NAVAL AIR REWORK FACILITY CHERRY POINT		1,720

**NAVY		73,090
AIR FORCE		
POPE AFB		
COMBAT ARMS TRAINING-MAINTENANCE FACILITY	440	
POPE AFB		440
SEYMOUR JOHNSON AFB		
ECIP-HVAC	1,220	
KC-10 BLAST DEFLECTORS AND APRON LIGHTING	1,100	
SEYMOUR JOHNSON AFB		2,320

**AIR FORCE		2,760
DEFENSE LEVEL ACTIVITIES		
FORT BRAGG		
BOWLEY ELEMENTARY SCHOOL REPLACEMENT	5,680	
FORT BRAGG		5,680
CAMP LEJEUNE		
DEPENDENT SCHOOL-NEW HIGH SCHOOL	8,400	
CAMP LEJEUNE		8,400

**DEFENSE LEVEL ACTIVITIES		14,080
ARMY NATIONAL GUARD		
JEFFERSON		
60 PERSON ARMORY	545	
JEFFERSON		545
MURPHY		
60 PERSON ARMORY	519	
MURPHY		519
SALISBURY		
ARMY AVIATION SUPPORT FACILITY ADDITION	812	
SALISBURY		812

**ARMY NATIONAL GUARD		1,876

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 FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

      ACTIVE, GUARD AND RESERVE FORCES         DATA AS OF 04 FEB 1986
           INSIDE THE UNITED STATES
                 ($ THOUSANDS)
STATE/COMP./INSTALLATION                              PROJ COST      TOTAL
-------------------PROJECT NAME----------------   ----------   ----------
NORTH CAROLINA
  NAVY RESERVE
    NMCRC CHARLOTTE
     TRAINING BUILDING ACQUISITION                     1,400
      NMCRC CHARLOTTE                                                1,400

***FAMILY HOUSING***

  ARMY
    FORT BRAGG
     NEW CONSTRUCTION (50)                             [637]
      FORT BRAGG
        FAMILY HOUSING                                               [637]
                                                                ----------
**NORTH CAROLINA                                                   162,766
        FAMILY HOUSING                                               [637]


NORTH DAKOTA
  AIR FORCE
    CAVALIER
     PARCS POWER RELIABILITY ENHANCEMENT                 950
      CAVALIER                                                         950

    GRAND FORKS AFB
     B-1 ADD-ALTER AIRCRAFT MAINTENANCE HANGAR         9,200
     B-1 ADD-ALTER FIELD TRAINING AND SATAF              960
     B-1 ALTER AVIONICS MAINTENANCE FACILITY             560
     B-1 ALTER FIELD MAINTENANCE FACILITY                930
     B-1 ALTER UTILITIES SYSTEMS                       3,600
     B-1 AREA SECURITY IMPROVEMENTS                    5,200
     B-1 HYDRANT FUEL WITH CASS PROVISIONS            14,300
     B-1 POWER CHECK PAD                                 580
     B-1 THREE BAY MAINTENANCE HANGAR AND APRON       25,000
     B-1 WEAPONS BAY FUEL TANK STORAGE FAC               700
     ECIP-FACILITY ENERGY IMPROVEMENTS                 1,700
      GRAND FORKS AFB                                               62,730
                                                                ----------
  **AIR FORCE                                                       63,680

  AIR NATIONAL GUARD
    HECTOR FIELD
     BASE ENGINEER MAINTENANCE FACILITY                1,200
     UPGRADE HANGAR                                      700
      HECTOR FIELD                                                   1,900
                                                                ----------
**NORTH DAKOTA                                                      65,580


OHIO
  NAVY
    NAVY FINANCE CENTER CLEVELAND
     DATA PROCESSING CENTER ADDITION                   2,940
      NAVY FINANCE CENTER CLEVELAND                                  2,940

  AIR FORCE
    WRIGHT-PATTERSON AFB
     ADD TO-ALTER PRECISION MEASUREMENT EQ LAB           920
     ADD TO-ALTER STORM DRAINAGE SYSTEM                3,950
     ADD-ALTER AFIT SCIENCE ENGINEERING SUPPORT        6,000
     ADD-ALTER HIGH POWER RESEARCH LABORATORY          1,950
     ALTER ELECTRICAL DISTRIBUTION SYSTEM              1,500
     ENTOMOLOGY FACILITY                                 770
      WRIGHT-PATTERSON AFB                                          15,090

  AIR NATIONAL GUARD
    RICKENBACKER ANGB
     ALTER FUEL SYSTEM MAINTENANCE (ANG-AFRES)           830
      RICKENBACKER ANGB                                                830
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
OHIO		
AIR NATIONAL GUARD		
SPRINGFIELD MAP	720	
APPROACH LIGHTING SYSTEM		720
SPRINGFIELD MAP		
		1,350
**AIR NATIONAL GUARD		
AIR FORCE RESERVE		
RICKENBACKER ANGB	630	
ALTER FUEL MAINTENANCE DOCK (JOINT)		630
RICKENBACKER ANGB		
		20,010
**OHIO		
OKLAHOMA		
ARMY		
MCALESTER	2,300	
BOMB FILL PRODUCTION FACILITY		2,300
MCALESTER		
FORT SILL	29,000	
HOSPITAL UPGRADE AND ADDITION	23,000	
TRAINEE BARRACKS		52,000
FORT SILL		
		54,300
**ARMY		
AIR FORCE		
ALTUS AFB	1,900	
BASE SUPPLY ADMINISTRATION	3,800	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,200	
VEHICLE MAINTENANCE SHOP	2,550	
WEAPONS SYSTEMS-MAINTENANCE MGMT FACILITY		11,450
ALTUS AFB		
TINKER AFB	6,400	
ADD-ALTER HEAT PLANT	4,650	
ALTER ACFT CORROSION CONTROL FACILITY	3,650	
ALTER POL STORAGE COMPLEX	3,100	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	6,800	
E-3A MAINTENANCE HANGAR	6,900	
TRANSIENT MUNITIONS FAC-LAND ACQUISITION		31,500
TINKER AFB		
VANCE AFB	660	
CENTRAL LIFE SUPPORT EQUIPMENT FACILITY	3,550	
MISSION SUPPORT FACILITY		4,210
VANCE AFB		
		47,160
**AIR FORCE		
ARMY NATIONAL GUARD		
CAMP GRUBER	1,199	
TRAINING FACILITY PH II	1,243	
UNIT TRAINING EQUIPMENT SITE		2,442
CAMP GRUBER		
LEXINGTON	437	
AUTO-ROTATION LANE EXTENSION		437
LEXINGTON		
		2,879
**ARMY NATIONAL GUARD		
AIR NATIONAL GUARD		
TULSA IAP	800	
ADD TO MUNITIONS MAINT AND STORAGE		

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
OKLAHOMA		
AIR NATIONAL GUARD		
TULSA IAP		
FIRE SUPPRESSION SYSTEM	650	
TULSA IAP		1,650
WILL ROGERS WORLD AIRPORT		
SQUADRON OPS-TELECOMM FACILITY	2,120	
WILL ROGERS WORLD AIRPORT		2,120
**AIR NATIONAL GUARD		3,770
**OKLAHOMA		108,109
OREGON		
ARMY		
UMATILLA ARMY DEPOT		
AMMUNITION CONTAINER LOADING YARD	260	
UMATILLA ARMY DEPOT		260
ARMY NATIONAL GUARD		
CAMP RILEA		
UNIT TRAINING EQUIPMENT SITE	1,545	
CAMP RILEA		1,545
CAMP WITHYCOMBE		
USPFO WAREHOUSE	895	
CAMP WITHYCOMBE		895
SALEM		
USPFO OFFICE	769	
SALEM		769
**ARMY NATIONAL GUARD		3,209
AIR NATIONAL GUARD		
KINGSLEY FIELD		
ADD TO-ALTER ACFT ENG INSP AND REP SHOP	840	
ADD TO-ALTER SUPPORT EQUIPMENT SHOP	520	
FUEL CELL MAINTENANCE HANGAR	1,600	
SQUADRON OPS-OPS TRAINING FACILITY	2,000	
KINGSLEY FIELD		4,960
PORTLAND IAP		
MEDICAL TNG AND ADMIN FACILITY	1,400	
TELECOMMUNICATIONS CENTER	750	
PORTLAND IAP		2,150
**AIR NATIONAL GUARD		7,110
AIR FORCE RESERVE		
PORTLAND IAP		
ADD TO SQUADRON OPERATIONS FACILITY	960	
FUEL SYSTEM-ORG MAINTENANCE HANGAR	4,200	
PORTLAND IAP		5,160
**OREGON		15,739
PENNSYLVANIA		
ARMY		
FORT INDIANTOWN GAP		
CENTRALIZED WASH FACILITY	5,300	
FORT INDIANTOWN GAP		5,300
NEW CUMBERLAND AD		
EASTERN DISTRIBUTION CENTER	15,000	
NEW CUMBERLAND AD		15,000
**ARMY		20,300

FY 1988 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
PENNSYLVANIA		
NAVY		
NAVAL AIR DEVELOPMENT CENTER WARMINSTER		
NAVIGATION EQUIPMENT LABORATORY	4,220	4,220
NAVAL AIR DEVELOPMENT CENTER WARMINSTER		
DEFENSE LOGISTICS AGENCY		
DEFENSE DEPOT MECHANICSBURG		
FUMIGATION FACILITY	470	470
DEFENSE DEPOT MECHANICSBURG		
ARMY NATIONAL GUARD		
SCRANTON		
200 PERSON ARMORY	1,546	
ARMY AVIATION SUPPORT FACILITY	6,190	7,736
SCRANTON		
AIR NATIONAL GUARD		
HARRISBURG IAP		
OPS AND TNG, DINING HALL, MED, BAND FAC	3,600	
SUPPORT EQUIPMENT SHOP	450	4,050
HARRISBURG IAP		
WILLOW GROVE NAS		
FUEL SYSTEM MAINTENANCE DOCK	1,110	1,110
WILLOW GROVE NAS		----------
**AIR NATIONAL GUARD		5,160
ARMY RESERVE		
READING		
ARMY RESERVE CENTER/MAINT FACILITIES	3,614	3,614
READING		
NAVY RESERVE		
NAS WILLOW GROVE		
COMBINED FIRE RESCUE STATION	1,600	
ENLISTED DINING FACILITY	2,400	
PERSONNEL SUPPORT OFFICE	1,200	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,880	10,080
NAS WILLOW GROVE		
AIR FORCE RESERVE		
WILLOW GROVE ARF		
AERIAL PORT TRAINING FACILITY	1,200	1,200
WILLOW GROVE ARF		
FAMILY HOUSING		
NAVY		
AVIATION SUPPLY OFFICE PHILADELPHIA		
NEW CONSTRUCTION (1)	(108)	
AVIATION SUPPLY OFFICE PHILADELPHIA		(108)
FAMILY HOUSING		----------
**PENNSYLVANIA		32,750
FAMILY HOUSING		(108)
RHODE ISLAND		
NAVY		
NAVAL EDUCATION & TRAINING CENTER NEWPORT		
CONSTRUCTION BATTALION UNIT COMPLEX	1,180	
FACILITY ENERGY IMPROVEMENTS	1,870	
FIRE FIGHTING TRAINING FACILITY	6,800	
MUNICIPAL SEWER CONNECTION	4,600	

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
RHODE ISLAND		
NAVY		
NAVAL EDUCATION & TRAINING CENTER NEWPORT		
SENIOR ENLISTED ACADEMY	3,430	
NAVAL EDUCATION & TRAINING CENTER NEWPORT		19,580
SOUTH CAROLINA		
ARMY		
FORT JACKSON		
DINING FACILITIES MODERNIZATION	6,600	
FORT JACKSON		6,600
NAVY		
FLEET & MINE WARFARE TRNG CTR CHARLESTON		
MINE WARFARE TRAINING FACILITY	1,180	
FLEET & MINE WARFARE TRNG CTR CHARLESTON		1,180
MARINE CORPS AIR STATION BEAUFORT		
AIR COMBAT TRAINING FACILITY	1,080	
AIRCRAFT PARKING APRON	570	
FUEL PIER EXTENSION	685	
HAZARDOUS WASTE FACILITY	420	
ORDNANCE HANDLING PAD	4,150	
MARINE CORPS AIR STATION BEAUFORT		6,905
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND		
RECRUIT TRAINING BUILDING	980	
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND		980
NAVAL STATION CHARLESTON		
BACHELOR ENLISTED QUARTERS	8,900	
STORM SEWER	360	
NAVAL STATION CHARLESTON		9,260
NAVAL WEAPONS STATION CHARLESTON		
AMMUNITION OVERHAUL SHOP	3,230	
NAVAL WEAPONS STATION CHARLESTON		3,230
POLARIS MISSILE FAC ATLANTIC CHARLESTON		
FIRE PROTECTION WATER TANK	1,620	
POLARIS MISSILE FAC ATLANTIC CHARLESTON		1,620
**NAVY		23,175
AIR FORCE		
CHARLESTON AFB		
POL FACILITY	480	
CHARLESTON AFB		480
MYRTLE BEACH AFB		
ADD-ALTER SUPPORT EQUIPMENT SHOP	430	
MYRTLE BEACH AFB		430
SHAW AFB		
ADD-ALTER SPECIAL OPERATIONS FACILITY	2,000	
AIRCRAFT MAINTENANCE AREA LIGHTING	840	
CONSOLIDATED SUPPORT CENTER	6,450	
ECIP-HVAC	360	
MEDICAL WRM FACILITY	450	
WING HEADQUARTERS	2,100	
SHAW AFB		12,200
**AIR FORCE		13,110
DEFENSE LEVEL ACTIVITIES		
MYRTLE BEACH AFB		
ADD TO AND ALTER WOODLAWN PARK SCHOOL	1,400	
MYRTLE BEACH AFB		1,400

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

     ACTIVE, GUARD AND RESERVE FORCES           DATA AS OF 04 FEB 1986
         INSIDE THE UNITED STATES
              ($ THOUSANDS)
STATE/COMP./INSTALLATION                                PROJ COST      TOTAL
-------------------PROJECT NAME---------------          ----------  ----------
SOUTH CAROLINA
  ARMY NATIONAL GUARD
    MONCKS CORNER
     60-PERSON ARMORY                                          754
      MONCKS CORNER                                                        754

    MULLINS
     400 PERSON ARMORY                                       1,422
      MULLINS                                                            1,422
                                                                    ----------
                                                                         2,176
  **ARMY NATIONAL GUARD
                                                                    ----------
                                                                        46,461
**SOUTH CAROLINA


SOUTH DAKOTA
  AIR FORCE
    BELLE FOURCHE
     STRC (SITE 4) AND LAND ACQUISITION                      3,880
      BELLE FOURCHE                                                      3,880

    ELLSWORTH AFB
     B-1 ADD TO-ALTER OPS-MAINT FACILITIES                     710
     B-1 ADD-ALTER ALERT AIRCRAFT PARKING PVMT               7,600
     B-1 ADD-ALTER FIELD MAINTENANCE FACILITY                6,300
     B-1 ADD-ALTER HELICOPTER-ACE FACILITY                   2,650
     B-1 ADD-ALTER ORGANIZATIONAL ACFT MAINT                   270
     B-1 AIRCRAFT PARKING APRON & TAXIWAYS                  10,600
     B-1 ALTER AIRCRAFT MAINTENANCE HANGARS                 12,400
     B-1 ALTER ENGINE INSPECT-REPAIR SHOP                      450
     B-1 ALTER INTEGRATED MAINTENANCE FACILITY                 210
     B-1 ALTER UTILITIES SYSTEMS                               990
     B-1 AREA SECURITY IMPROVEMENTS                          3,450
     B-1 BLAST DEFLECTORS                                    2,850
     B-1 CASS EQUIPMENT AND INSTALLATION                     3,000
     B-1 FLIGHT SIMULATOR TRAINING FACILITY                  3,400
     B-1 WEAPONS PRE-LOAD FACILITIES & ROADS                 7,384
     KC-135 COCKPIT PROCEDURES TRAINER SIM FAC                 770
     PEACEKEEPER-ADD-ALT AIR LAUNCH CONTROL CTR                730
     UNACCOMPANIED ENLISTED PERSONNEL HOUSING                8,100
      ELLSWORTH AFB                                                     72,064
                                                                    ----------
                                                                        75,944
  **AIR FORCE

 ***FAMILY HOUSING***

  AIR FORCE
    BELLE FOURCHE
     NEW CONSTRUCTION (50)                                  [4,000]
      BELLE FOURCHE                                                     [4,000]
        FAMILY HOUSING
                                                                    ----------
                                                                        75,944
**SOUTH DAKOTA                                                          [4,000]
        FAMILY HOUSING


TENNESSEE
  ARMY
    HOLSTON ARMY AMMUNITION PLANT
     FIRE PROTECTION SPRINKLER SYSTEMS
       (MEMO-NON-ADD)                                        (320)
      HOLSTON ARMY AMMUNITION PLANT                                      (320)
       (MEMO-NON-ADD)

  NAVY
    NAVAL AIR STATION MEMPHIS
     AIR TRAFFIC CONTROLLER TRAINING BUILDING                2,740
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TENNESSEE		
NAVY		
NAVAL AIR STATION MEMPHIS		
AVIATION MECHANICS TRAINING BUILDINGS	9,780	
NAVAL LEGAL SERVICE BUILDING	1,376	
RADAR OPERATIONAL FACILITY	536	
NAVAL AIR STATION MEMPHIS		11,692
DEFENSE LOGISTICS AGENCY		
DEFENSE DEPOT MEMPHIS		
HAZARDOUS MATERIAL WAREHOUSE	7,348	
UPGRADE WATER DISTRIBUTION SYSTEM	740	
DEFENSE DEPOT MEMPHIS		8,088
ARMY NATIONAL GUARD		
FORT CAMPBELL		
UNIT TRAINING EQUIPMENT SITE	678	
FORT CAMPBELL		678
JAMESTOWN		
60 PERSON ARMORY	714	
JAMESTOWN		714
LAFAYETTE		
60 PERSON ARMORY	626	
LAFAYETTE		626
MC KENZIE		
60 PERSON ARMORY	609	
MC KENZIE		609
PARIS		
200 PERSON ARMORY	908	
PARIS		908
SPARTA		
100 PERSON ARMORY	674	
SPARTA		674

**ARMY NATIONAL GUARD		4,209
AIR NATIONAL GUARD		
MEMPHIS IAP		
COMPOSITE SQUADRON OPERATIONS FACILITY	2,400	
FIRE STATION	650	
MEMPHIS IAP		3,050

**TENNESSEE		27,039
(MEMO-NON-ADD)		(320)
TEXAS		
ARMY		
FORT BLISS		
BARRACKS MODERNIZATION	5,500	
BARRACKS MODERNIZATION	10,000	
CHILD CARE CENTER	2,350	
FIRE STATION	710	
HARDSTAND	11,000	
PHYSICAL FITNESS TRAINING CENTER	2,200	
FORT BLISS		31,760
CORPUS CHRISTI ARMY DEPOT		
HELICOPTER BLADE FACILITY	4,400	
CORPUS CHRISTI ARMY DEPOT		4,400
FORT HOOD		
ADMINISTRATION AND TEST SUPPORT FACILITY	7,500	

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TEXAS		
ARMY		
FORT HOOD		
AIRCRAFT MAINTENANCE FACILITIES	29,000	
AIRCRAFT MAINTENANCE FACILITY	15,000	
BRIGADE HEADQUARTERS COMPLEX	1,050	
STORAGE FACILITY	7,200	
TACTICAL EQUIPMENT SHOP	7,700	
TACTICAL EQUIPMENT SHOP	5,600	
FORT HOOD		73,050
RED RIVER ARMY DEPOT		
AMMUNITION CONTAINER LOADING YARD	820	
RED RIVER ARMY DEPOT		820
FORT SAM HOUSTON		
ENERGY MONITORING SYSTEM EXPANSION	940	
HEAT RECOVERY SYSTEM	500	
FORT SAM HOUSTON		1,440

**ARMY		111,470
NAVY		
NAVAL AIR STATION CORPUS CHRISTI		
COMMUNITY IMPACT PLANNING	200	
ELECTRICAL SWITCHING STATION	2,400	
LAND ACQUISITION	1,960	
NAVAL AIR STATION CORPUS CHRISTI		4,560
AIR FORCE		
BERGSTROM AFB		
COMMERCIAL TRANSPORTATION FACILITY	770	
BERGSTROM AFB		770
CARSWELL AFB		
WILLIS-CARTWRIGHT SCHOOL ACQUISITION	1,000	
CARSWELL AFB		1,000
DYESS AFB		
B-1 ADD-ALTER FIELD TRAINING FACILITY	1,300	
B-1 ADD-ALTER MAINTENANCE FACILITY	1,500	
B-1 BLAST DEFLECTORS	950	
B-1 CASS EQUIPMENT AND INSTALLATION	4,350	
B-1 FLIGHT SIMULATOR TRAINING FACILITY	5,600	
B-1 MUNITIONS IGLOOS	2,300	
ECIP-HVAC	950	
DYESS AFB		16,950
GOODFELLOW AFB		
DINING FACILITY	3,000	
OPERATIONS INTELLIGENCE TRAINING CENTER	12,500	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	11,000	
GOODFELLOW AFB		26,500
KELLY AFB		
ADD-ALTER JET ENGINE TEST CELL COMPLEX	6,500	
ALTER ELECTRICAL DISTRIBUTION SYSTEM	1,100	
APPROACH LIGHTING	1,450	
DENTAL CLINIC	2,800	
DEPOT MACHINE SHOP	11,500	
EMERGENCY BACK-UP POWER	2,500	
HYDRANT FUELING SYSTEM	4,600	
INTEGRATION SUPPORT FACILITY	9,299	
KELLY AFB		39,749
LACKLAND AFB		
DINING HALL	4,000	

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED
      ACTIVE, GUARD AND RESERVE FORCES           DATA AS OF 04 FEB 1986
           INSIDE THE UNITED STATES
                 ($ THOUSANDS)
STATE/COMP./INSTALLATION
-------------------PROJECT NAME----------------   PROJ COST       TOTAL
TEXAS                                             ----------  ----------
  AIR FORCE
    LACKLAND AFB
      SATCOM GROUND TERMINAL
      UNACCOMPANIED ENLISTED PERSONNEL HOUSING         2,950
       LACKLAND AFB                                   14,800
                                                                  21,750
    LAUGHLIN AFB
      WATER SUPPLY MAINS-LAND ACQUISITION
       LAUGHLIN AFB                                    1,900
                                                                   1,900
    RANDOLPH AFB
      VEHICLE MAINTENANCE COMPLEX
       RANDOLPH AFB                                    3,200
                                                                   3,200
    REESE AFB
      VEHICLE MAINTENANCE COMPLEX
       REESE AFB                                       3,250
                                                                   3,250
    SHEPPARD AFB
      MEDICAL LOGISTICS FACILITY
       SHEPPARD AFB                                    2,150
**AIR FORCE                                                        2,150
                                                              ----------
                                                                 117,219
  DEFENSE MAPPING AGENCY
    MINERAL WELLS NATIONAL GUARD CENTER
      REPROMAT SECURE STORAGE FACILITY
       MINERAL WELLS NATIONAL GUARD CENTER               900
                                                                     900
  DEFENSE LOGISTICS AGENCY
    DEF PROPERTY DISPOSAL OFFICE TEXARKANA
      STORAGE FACILITY
       DEF PROPERTY DISPOSAL OFFICE TEXARKANA          2,635
                                                                   2,635
  ARMY NATIONAL GUARD
    AUSTIN
      ARMORY EXPANSION
      ARMY AVIATION SUPPORT FACIL ADD                    907
       AUSTIN                                            981
                                                                   1,888
    CAMP SWIFT
      UNIT TRAINING EQUIPMENT SITE
       CAMP SWIFT                                        651
                                                                     651
    MINERAL WELLS
      UNIT TRAINING EQUIPMENT SITE
       MINERAL WELLS                                     695
**ARMY NATIONAL GUARD                                                695
                                                              ----------
                                                                   3,234
  AIR NATIONAL GUARD
    ELLINGTON ANGB
      ACFT ENGINE INSP AND REPAIR SHOP
      ADD TO SQUADRON OPS-WEAPONS SEC FACILITY         1,100
      MED TNG-DIN HALL-TELECOM FACILITY                1,500
       ELLINGTON ANGB                                  2,000
                                                                   4,600
  ARMY RESERVE
    FORT BLISS
      ARMY RESERVE CENTER/MAINT FACILITIES
       FORT BLISS                                      4,278
                                                                   4,278
    BROWNSVILLE
      ARMY RESERVE CENTER ADD/ALTER MAINT/STOR
       BROWNSVILLE                                     1,428
**ARMY RESERVE                                                     1,428
                                                              ----------
                                                                   5,706
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED
                                                  DATA AS OF 04 FEB 1986
       ACTIVE, GUARD AND RESERVE FORCES
          INSIDE THE UNITED STATES
              ($ THOUSANDS)                           PROJ COST       TOTAL
STATE/COMP./INSTALLATION                              ----------   ----------
------------------PROJECT NAME----------------

TEXAS
  NAVY RESERVE                                              450
    NRC TYLER                                                             450
      ACQUISITION RESERVE TRAINING BUILDING
       NRC TYLER

   AIR FORCE RESERVE                                        760
     KELLY AFB                                            8,760
      AEROSPACE GROUND EQUIPMENT  - STORAGE               1,600
      APRON-HYDRANT FUEL SYSTEM                           5,900
      AVIONICS FACILITY                                   2,600
      FUEL SYSTEM MAINTENANCE DOCK                                     19,620
      SQUADRON OPERATIONS FACILITY                                 ----------
       KELLY AFB                                                      270,394

 **TEXAS

UTAH
  ARMY                                                    1,350
    DUGWAY PROVING GROUND                                 2,150
      AMMUNITION STORAGE                                  3,600
      MUNITIONS PROCESSING FOR ASSEMBLY FACILITY          1,550
      OPERATIONS BUILDING                                               8,650
      PHOTO OPTICS MAINTENANCE FACILITY
       DUGWAY PROVING GROUND
                                                            550
    TOOELE ARMY DEPOT                                       700
      AMMUNITION CONTAINER LOADING YARD                   3,200
      BUILDING INSULATION                                 2,000
      CAMDS LABORATORY                                      600
      HEALTH CLINIC                                       4,200
      INSULATE DOCK DOORS                                   240
      R&D SCIENCE AND TECHNOLOGY FACILITY                              11,490
      STORM WINDOWS                                                ----------
       TOOELE ARMY DEPOT                                               20,140

  **ARMY

  AIR FORCE                                              13,400
    HILL AFB                                              2,600
      ADD-ALTER AIRCRAFT CORROSION CONTROL FAC            3,980
      DEPOT EXPLOSIVE STORAGE COMPLEX                     6,300
      ECIP-FACILITY ENERGY IMPROVEMENTS                                26,280
      PEACEKEEPER-TRANSPORTER REPAIR FACILITY
       HILL AFB

  DEFENSE LOGISTICS AGENCY                                  750
    DEF PROPERTY DISPOSAL OFFICE HILL AFB                                 750
      FACILITY REHABILITATION
       DEF PROPERTY DISPOSAL OFFICE HILL AFB
                                                          3,315
    DEFENSE DEPOT OGDEN                                     510
      HAZARDOUS MATERIAL WAREHOUSE                                      3,825
      STEAM DISTRIBUTION SYSTEM                                    ----------
       DEFENSE DEPOT OGDEN                                              4,575

  **DEFENSE LOGISTICS AGENCY

  ARMY NATIONAL GUARD                                       555
    CAMP WILLIAMS                                                         555
      BACHELOR OFFICERS QUARTERS
       CAMP WILLIAMS

  ARMY RESERVE                                            5,425
    FT DOUGLAS                                                          5,425
      ALTER RESERVE CENTER/MAINT FACILITY
       FT DOUGLAS
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              ($ THOUSANDS)
                                                PROJ COST      TOTAL
STATE/COMP./INSTALLATION                       ----------  ----------
--------------------PROJECT NAME----------------
UTAH
***FAMILY HOUSING***
  ARMY
    DUGWAY PROVING GROUND
     NEW CONSTRUCTION (104)                      [7,353]
     NEW CONSTRUCTION (24)                         [351]
      DUGWAY PROVING GROUND                                   [7,704]
        FAMILY HOUSING
                                                           ----------
                                                               58,975
**UTAH                                                        [7,704]
        FAMILY HOUSING


VIRGINIA
  ARMY
    FT A P HILL
     GENERAL PURPOSE AND COLD STORAGE WAREHOUSE     2,350
     HEATING SYSTEM                                 3,500
     WATER DISTRIBUTION SYSTEM                        600       6,450
      FT A P HILL

    FORT BELVOIR
     INTELLIGENCE COMMAND AND CONTROL FACILITY     30,000
      FORT BELVOIR                                             30,000

    HUMPHREYS ENGINEER CENTER
     TOPOGRAPHIC LABORATORY                        11,000
      HUMPHREYS ENGINEER CENTER                                11,000

    FORT LEE
     APPLIED INSTRUCTION FACILITY                   1,200
     AUTOMATED RECORD FIRE RANGES                   1,750
     BRIGADE OPERATIONS CENTER                      1,032
     GENERAL INSTRUCTION BUILDING                   9,100
      FORT LEE                                                 13,082

    FT PICKETT
     CHEMICAL DECONTAMINATION TRAINING AREA           420
      FT PICKETT                                                  420

    RADFORD AAP
     ALTER BUILDING FOR NITROCELLULOSE WEIGHING      (520)
       (MEMO-NON-ADD)
     REPLACE AIR COMPRESSOR-BULIDING 4333            (390)
       (MEMO-NON-ADD)
     REPLACE EXPLOSION PROTECTION BARRICADE        (2,000)
       (MEMO-NON-ADD)
      RADFORD AAP                                             (2,910)
       (MEMO-NON-ADD)

    FORT STORY
     HARDSTAND                                      1,950
      FORT STORY                                                1,950
                                                           ----------
                                                               62,902
  **ARMY                                                      (2,910)
       (MEMO-NON-ADD)

  NAVY
    FLEET COMBAT TRAIN CTR ATLANTIC DAM NECK
     RADARMAN TRAINING BUILDING                     7,150
      FLEET COMBAT TRAIN CTR ATLANTIC DAM NECK                  7,150

    MARINE CORPS CAMP DET CAMP ELMORE NORFOLK
     COMBAT VEHICLE MAINTENANCE FACILITY              715
     FLEET MARINE FORCE SUPPORT WAREHOUSE           3,280
      MARINE CORPS CAMP DET CAMP ELMORE NORFOLK                 3,995
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
VIRGINIA		
NAVY		
MARINE CORPS DEV & EDUC COMMAND QUANTICO		
BACHELOR ENLISTED QUARTERS	5,200	
SEWERAGE SYSTEM	1,860	
MARINE CORPS DEV & EDUC COMMAND QUANTICO		7,060
NAVAL AIR REWORK FACILITY NORFOLK		
HAZARDOUS AND FLAMMABLE STORAGE FACILITY	1,910	
HEAVY PROCESSES SHOPS	11,170	
NAVAL AIR REWORK FACILITY NORFOLK		13,080
NAVAL AIR STATION NORFOLK		
HELICOPTER MAINTENANCE HANGAR	7,160	
MINE COUNTERMEASURES HELICOPTER TRNG BLDG	1,130	
OIL SPILL PREVENTION	1,570	
WARNING AIRCRAFT TRAINING BUILDING ADDN	815	
NAVAL AIR STATION NORFOLK		10,675
NAVAL AIR STATION OCEANA		
LAND ACQUISITION	5,100	
MAINTENANCE HANGAR	11,000	
STEAM AND CONDENSATE SYSTEMS	840	
NAVAL AIR STATION OCEANA		16,940
NAVAL AMPHIBIOUS BASE LITTLE CREEK		
BACHELOR ENLISTED QUARTERS	7,740	
EXPLOSIVE ORDNANCE DISPOSAL GROUP COMPLEX	4,560	
NAVAL AMPHIBIOUS BASE LITTLE CREEK		12,300
NAVAL AMPHIBIOUS SCHOOL LITTLE CREEK		
AMPHIBIOUS FORCE TRNG BLDG IMPROVEMENTS	420	
NAVAL AMPHIBIOUS SCHOOL LITTLE CREEK		420
NAVAL ELECTRONIC SYS ENGR CTR PORTSMOUTH		
COMMUNICATIONS SYSTEMS LABORATORY ADDITION	825	
SHIPBOARD ELECTRONICS SUPPORT LABORATORY	880	
UTILITIES IMPROVEMENTS	1,550	
NAVAL ELECTRONIC SYS ENGR CTR PORTSMOUTH		3,255
NAVAL MINE WARFARE ENGR ACTIVITY YORKTOWN		
MINE WARFARE SYSTEMS LABORATORY	4,120	
NAVAL MINE WARFARE ENGR ACTIVITY YORKTOWN		4,120
NAVAL SECURITY GROUP ACT NW CHESAPEAKE		
BACHELOR ENLISTED QUARTERS MODERNIZATION	550	
STORAGE FACILITIES AND PUBLIC WORKS SHOP	835	
NAVAL SECURITY GROUP ACT NW CHESAPEAKE		1,385
NAVAL SHIPYARD NORFOLK PORTSMOUTH		
BACHELOR OFFICER QUARTERS	5,000	
DOCKSIDE WORK CENTER ADDITION	530	
MESS HALL ADDITION	560	
NAVAL SHIPYARD NORFOLK PORTSMOUTH		6,090
NAVAL SPACE COMMAND DAHLGREN		
COMMAND AND CONTROL CENTER	4,700	
NAVAL SPACE COMMAND DAHLGREN		4,700
NAVAL STATION NORFOLK		
DREDGING	800	
NAVAL STATION NORFOLK		800
NAVAL SUPPLY CENTER NORFOLK		
WAREHOUSE MODERNIZATION	2,350	
NAVAL SUPPLY CENTER NORFOLK		2,350
**NAVY		84,320

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
VIRGINIA		
AIR FORCE		
LANGLEY AFB		
*LAND ACQUISITION (LANDFILL)	3,750	
SOUND SUPPRESSOR SUPPORT	480	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	8,200	
LANGLEY AFB		12,430
AUTHORIZED IN PRIOR YEAR		(3,750)
DEFENSE LEVEL ACTIVITIES		
QUANTICO		
DEPENDENT SCHOOL-NEW ELEMENTARY SCHOOL	3,500	
QUANTICO		3,500
DEFENSE LOGISTICS AGENCY		
DEF PROPERTY DISPOSAL OFFICE RICHMOND		
CONFORMING STORAGE	650	
DEF PROPERTY DISPOSAL OFFICE RICHMOND		650
DEFENSE GENERAL SUPPLY CENTER		
COMPRESSED GAS STORAGE FACILITY	3,400	
EXPAND MECHANIZED FREIGHT TERMINAL	1,955	
DEFENSE GENERAL SUPPLY CENTER		5,355
**DEFENSE LOGISTICS AGENCY		6,005
ARMY NATIONAL GUARD		
BLACKSTONE		
200 PERSON ARMORY	1,117	
BLACKSTONE		1,117
DANVILLE		
ORGANIZATIONAL MAINTENANCE SHOP	353	
DANVILLE		353
**ARMY NATIONAL GUARD		1,470
ARMY RESERVE		
FORT BELVOIR		
ADD/ALTER RESERVE CENTER/MAINT FACILITY	3,015	
FORT BELVOIR		3,015
FORT PICKETT		
STORAGE FACILITY	1,425	
FORT PICKETT		1,425
RICHMOND		
ADD/ALTER ARMED FORCES RC/MAINT FAC	4,582	
RICHMOND		4,582
**ARMY RESERVE		9,022
NAVY RESERVE		
NARU NORFOLK		
HANGAR REHABILITATION	1,400	
NARU NORFOLK		1,400
FAMILY HOUSING		
ARMY		
FORT MYER		
NEW CONSTRUCTION (6)	[486]	
FORT MYER		
FAMILY HOUSING		[486]
**VIRGINIA		191,049
(MEMO-NON-ADD)		(2,910)
AUTHORIZED IN PRIOR YEAR		(3,750)
FAMILY HOUSING		[486]

* AUTHORIZED IN PRIOR YEAR

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WASHINGTON		
ARMY		
FORT LEWIS		
AIRCRAFT MAINTENANCE HANGAR	10,600	
AIRCRAFT MAINTENANCE HANGAR	3,350	
BARRACKS WITH DINING FACILITY	12,600	
BATTALION HEADQUARTERS	1,250	
BATTALION HEADQUARTERS	2,500	
CHILD CARE CENTER	6,700	
GROUP HEADQUARTERS	2,100	
MADIGAN ARMY MEDICAL CENTER PHASE II	26,000	
TACTICAL EQUIPMENT SHOP	6,100	
TACTICAL EQUIPMENT SHOP	11,600	
TACTICAL EQUIPMENT SHOP	4,650	
TACTICAL EQUIPMENT SHOP	5,100	
TACTICAL EQUIPMENT SHOP	2,700	
UNACCOMPANIED ENLISTED HOUSING COMPLEX	21,000	
UTILITIES	6,900	
FORT LEWIS		123,350
YAKIMA FIRING CENTER		
MULTI-PURPOSE RANGE COMPLEX - LIGHT	15,800	
RANGE OPERATIONS FACILITY	630	
YAKIMA FIRING CENTER		16,430
**ARMY		139,780
NAVY		
NAVAL AIR STATION WHIDBEY ISLAND		
MAINTENANCE HANGAR IMPROVEMENTS	2,650	
NAVAL AIR STATION WHIDBEY ISLAND		2,650
NAVAL SHIPYARD PUGET SOUND BREMERTON		
ELECTRICAL DISTR SYS IMPS AND LAND ACQ	20,650	
INACTIVE SUBMARINE MOORING	620	
MUNICIPAL SEWER CONNECTION	7,950	
*STEAM PLANT (PHASE IV)	55,800	
UNDERWATER EQUIPMENT LABORATORY ADDITION	960	
WATERFRONT SECURITY LIGHTING	765	
NAVAL SHIPYARD PUGET SOUND BREMERTON		86,745
AUTHORIZED IN PRIOR YEAR		(55,800)
NAVAL STATION EVERETT		
COMMUNITY IMPACT PLANNING	200	
LAND ACQUISITION	17,640	
NAVAL STATION EVERETT		17,840
NAVAL SUBMARINE BASE BANGOR		
BACHELOR ENLISTED QUARTERS	5,200	
NAVAL SUBMARINE BASE BANGOR		5,200
NAVAL SUPPLY CENTER BREMERTON		
POL STORAGE FACILITIES	1,520	
NAVAL SUPPLY CENTER BREMERTON		1,520
NAVAL UNDERSEA WARFARE ENGR STA KEYPORT		
HAZARDOUS AND FLAMMABLE STOREHOUSE	1,760	
TORPEDO ASSEMBLY BUILDING	680	
NAVAL UNDERSEA WARFARE ENGR STA KEYPORT		2,440
**NAVY		116,395
AUTHORIZED IN PRIOR YEAR		(55,800)
AIR FORCE		
FAIRCHILD AFB		
REPLACE ELECTRICAL DISTRIBUTION SYSTEM	12,500	
FAIRCHILD AFB		12,500

* AUTHORIZED IN PRIOR YEAR

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

     ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
          INSIDE THE UNITED STATES
               ($ THOUSANDS)
STATE/COMP./INSTALLATION
-------------------PROJECT NAME----------------  PROJ COST     TOTAL
WASHINGTON                                       ----------  ----------
  AIR FORCE
    MCCHORD AFB
      ADD TO-ALTER AER REF PART TASK TRNR FAC          940
      ADD-ALTER AERIAL PORT FACILITY                 1,300
       MCCHORD AFB
                                                                 2,240
  **AIR FORCE                                                 ----------
                                                                14,740
  DEFENSE LOGISTICS AGENCY
    DEF FUEL SUPPORT POINT MANCHESTER
     LUBE OIL FACILITY
      DEF FUEL SUPPORT POINT MANCHESTER                565
                                                                   565
  AIR NATIONAL GUARD
    BELLINGHAM AGS
     SUPPORT EQUIPMENT SHOP
      BELLINGHAM AGS                                   640
                                                                   640
   CAMP MURRAY
    COMM ELECTRONICS TRAINING FACILITY
     CAMP MURRAY                                       580
                                                                   580
   PAINE FIELD
    AUTO MAINT-SUPPORT EQUIPMENT SHOP
     PAINE FIELD                                     1,060
                                                                 1,060
  **AIR NATIONAL GUARD                                        ----------
                                                                 2,280
  AIR FORCE RESERVE
   MCCHORD AFB
    CIVIL ENGINEER TRAINING FACILITY
     MCCHORD AFB                                       945
                                                                   945
**WASHINGTON                                                  ----------
       AUTHORIZED IN PRIOR YEAR                                274,705
                                                              (55,800)

WEST VIRGINIA
  NAVY
    NAVAL RADIO STATION SUGAR GROVE
     SEWERAGE SYSTEM
      NAVAL RADIO STATION SUGAR GROVE                  785
                                                                   785
   AIR NATIONAL GUARD
    E WV REGIONAL APT (MARTINSBURG)
     ADD TO AIRCRAFT PARKING APRON
     FIRE SUPPRESSION-ALARM SYSTEM                   1,900
      E WV REGIONAL APT (MARTINSBURG)                  800
                                                                 2,700
    KANAWHA COUNTY AIRPORT
     FIRE SUPPRESSION SYSTEM
      KANAWHA COUNTY AIRPORT                         1,400
                                                                 1,400
   **AIR NATIONAL GUARD                                       ----------
                                                                 4,100
**WEST VIRGINIA                                               ----------
                                                                 4,885

WISCONSIN
  ARMY
    FORT MCCOY
     AMMUNITION STORAGE
      FORT MCCOY                                       940
                                                                   940
  AIR NATIONAL GUARD
   TRUAX FIELD
    BASE SUPPLY ADMIN AND WAREHOUSE FACILITY         2,500
     TRUAX FIELD
                                                                 2,500
**WISCONSIN                                                   ----------
                                                                 3,440

                      STATE- 119
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WYOMING		
AIR FORCE		
FE WARREN AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	4,900	
ECIP-FACILITY ENERGY IMPROVEMENTS	560	
PEACEKEEPER-ACCESS ROADS	27,040	
*PEACEKEEPER-ACCESS ROADS(PRIOR YEAR AUTH)	11,000	
PEACEKEEPER-LAND EASEMENTS	2,100	
PEACEKEEPER-LAUNCH FACILITY SITE WORK	6,200	
FE WARREN AFB		51,800
AUTHORIZED IN PRIOR YEAR		(11,000)
DEFENSE LOGISTICS AGENCY		
DEF PROPERTY DISPOSAL OFFICE WARREN AFB		
COVERED STORAGE	1,020	
DEF PROPERTY DISPOSAL OFFICE WARREN AFB		1,020
ARMY NATIONAL GUARD		
CAMP GUERNSEY		
WOMEN'S BARRACKS	427	
CAMP GUERNSEY		427
AIR NATIONAL GUARD		
CHEYENNE MAP		
ADD TO-ALTER MAINT DOCK FOR FUEL CELL	890	
ADD TO-ALTER OPERATIONS AND TNG COMPLEX	3,690	
CHEYENNE MAP		4,580
NAVY RESERVE		
NRC CHEYENNE		
ACQUISITION RESERVE TRAINING BUILDING	570	
NRC CHEYENNE		570
**WYOMING		58,397
AUTHORIZED IN PRIOR YEAR		(11,000)
CONUS CLASSIFIED		
ARMY		
CLASSIFIED LOCATIONS		
CLASSIFIED PROJECT	2,600	
CLASSIFIED LOCATIONS		2,600
DEFENSE LEVEL ACTIVITIES		
CLASSIFIED LOCATION		
CLASSIFIED PROJECT	12,000	
CLASSIFIED PROJECT	3,142	
CLASSIFIED LOCATION		15,142
**CONUS CLASSIFIED		17,742
CONUS UNSPECIFIED		
AIR FORCE		
UNSPEC LOCATIONS - OTHER		
SUPPORT FACILITIES	52,500	
UNSPEC LOCATIONS - OTHER		52,500
CONUS VARIOUS		
AIR FORCE		
BASE THIRTY FOUR		
ALCM-INTEGRATED MAINTENANCE FACILITY	7,200	
ALCM-MISSILE ROLL-TRANSFER AND STORAGE	1,400	
ALCM-SATAF FACILITY	320	
BASE THIRTY FOUR		8,920

* AUTHORIZED IN PRIOR YEAR

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CONUS VARIOUS		
AIR FORCE		
BASE TWENTY FOUR		
C-130 ADD-ALTER ECM AVIONICS MAINT FAC	1,200	
C-130 CORROSION CONTROL FACILITY	1,300	
C-130-ADD TO PARKING APRON	1,500	
C-130-ORGANIZATIONAL MAINTENANCE SHOP	820	
C-130-SQUADRON OPERATIONS FACILITY	1,350	
BASE TWENTY FOUR		6,170
**AIR FORCE		15,090

TOTALS

ARMY	1,346,459
(MEMO-NON-ADD)	(46,471)
AUTHORIZED IN PRIOR YEAR	(10,800)
FAMILY HOUSING	[107,498]
NAVY	1,457,855
AUTHORIZED IN PRIOR YEAR	(59,200)
FAMILY HOUSING	[77,858]
AIR FORCE	1,413,017
AUTHORIZED IN PRIOR YEAR	(117,900)
FAMILY HOUSING	[4,000]
DEFENSE AGENCIES	97,947
INSIDE THE UNITED STATES	4,315,278
(MEMO-NON-ADD)	(46,471)
AUTHORIZED IN PRIOR YEAR	(187,900)
FAMILY HOUSING	[189,356]

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ANTIGUA		
NAVY		
NAVAL SUPPORT FACILITY		
NAVAL FACILITY UPGRADE	2,410	
NAVAL SUPPORT FACILITY		2,410
AUSTRALIA		
NAVY		
NAVAL COMMUNICATION STATION HAROLD E HOLT		
COOLING SYSTEMS CONVERSION	2,300	
SMALL CRAFT BOATHOUSE	390	
NAVAL COMMUNICATION STATION HAROLD E HOLT		2,690
BELGIUM		
AIR FORCE		
FLORENNES		
GLCM-CHAPEL CENTER	1,000	
GLCM-CHILD CARE CENTER	810	
GLCM-WAREHOUSE	1,110	
FLORENNES		2,920
DEFENSE LEVEL ACTIVITIES		
SHAPE HQ - CASTEAU		
ELEMENTARY AND HIGH SCHOOL	7,420	
SHAPE HQ - CASTEAU		7,420
FAMILY HOUSING		
AIR FORCE		
FLORENNES		
NEW CONSTRUCTION (400)	[27,500]	
FLORENNES FAMILY HOUSING		[27,500]

**BELGIUM		10,340
FAMILY HOUSING		[27,500]
CANADA		
NAVY		
NAVAL FACILITY ARGENTIA NEWFOUNDLAND		
FIRE PROTECTION SYSTEM	700	
NAVAL FACILITY ARGENTIA NEWFOUNDLAND		700
DIEGO GARCIA		
NAVY		
NAVAL AIR FACILITY		
FIRE STATION ADDITION	980	
MAINTENANCE HANGAR	15,200	
WEAPONS COMPLEX	6,270	
NAVAL AIR FACILITY		22,450
NAVAL SECURITY GROUP DETACH DIEGO GARCIA		
OCEAN SURVEILLACE BUILDING ADDITION	3,700	
NAVAL SECURITY GROUP DETACH DIEGO GARCIA		3,700
NAVY SUPPORT FACILITY		
ANTENNA SUPPORT FACILITIES	1,320	
BACHELOR OFFICER QUARTERS	8,920	
FLEET SUPPORT WAREHOUSE	2,500	
LAUNDRY BUILDING ADDITION	3,280	
LIGHTED NAVIGATIONAL AIDS	510	
NAVY SUPPORT FACILITY		16,530

**NAVY		42,680

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FY 1988 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED
      ACTIVE, GUARD AND RESERVE FORCES
     SPECIFIED OUTSIDE THE UNITED STATES          DATA AS OF 04 FEB 1988
               ($ THOUSANDS)
STATE/COMP./INSTALLATION
--------------------PROJECT NAME----------------    PROJ COST      TOTAL
DIEGO GARCIA                                        ----------  ----------
  AIR FORCE
    DIEGO GARCIA
     MUNITIONS STORAGE FACILITY - PH II
      DIEGO GARCIA                                       5,300
                                                                    5,300
**DIEGO GARCIA                                                  ----------
                                                                   47,980
GERMANY
  ARMY
    AMBERG
     AMMUNITION STORAGE
      AMBERG                                               850
                                                                      850
    ANSBACH
     DINING FACILITIES MODERNIZATION
    *DINING FACILITY                                     2,400
     DISPENSARY/DENTAL CLINIC                            1,250
    *TACTICAL EQUIPMENT SHOP                             1,900
     TACTICAL EQUIPMENT SHOP                               690
     TACTICAL SITE FACILITIES                            9,400
    *UNACCOMPANIED ENLISTED PERSONNEL HOUSING              690
    *UTILITIES                                           8,100
      ANSBACH                                            1,150
        AUTHORIZED IN PRIOR YEAR                                   25,580
                                                                  (11,190)
    BAD KREUZNACH
     CHILD CARE CENTER
      BAD KREUZNACH                                      1,100
                                                                    1,100
    BAD TOELZ
     DISPENSARY/DENTAL CLINIC
      BAD TOELZ                                          1,850
                                                                    1,850
    BAMBERG
     BOILER PLANT AUTOMATION
     HARDSTAND AND EQUIPMENT STORAGE                     6,000
      BAMBERG                                              480
                                                                    6,480
    BAUMHOLDER
     CHILD CARE CENTER
      BAUMHOLDER                                           900
                                                                      900
    DARMSTADT
     AMMUNITION STORAGE PHASE 1
     BATTALION HEADQUARTERS                                600
     DINING FACILITY                                     1,700
     TACTICAL EQUIPMENT SHOP                             1,300
     TACTICAL EQUIPMENT SHOP                             4,400
     TACTICAL EQUIPMENT SHOP                             3,650
     UNACCOMPANIED ENLISTED PERSONNEL HOUSING            8,300
     UNACCOMPANIED ENLISTED PERSONNEL HOUSING            4,750
      DARMSTADT                                          4,500
                                                                   29,200
    FRANKFURT
     BATTALION HEADQUARTERS
     BATTALION HEADQUARTERS                                990
     PHYSICAL FITNESS TRAINING CENTER                      990
     TACTICAL EQUIPMENT SHOP                             1,850
     TACTICAL EQUIPMENT SHOP                             3,500
     UNACCOMPANIED ENLISTED PERSONNEL HOUSING            2,300
     UTILITIES MODERNIZATION                             3,850
      FRANKFURT                                          5,200
                                                                   18,680
    FRIEDBERG
     BATTALION HEADQUARTERS
                                                           950

        * AUTHORIZED IN PRIOR YEAR
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
ARMY		
FRIEDBERG		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	8,200	
FRIEDBERG		9,150
FULDA		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,950	
FULDA		4,950
GERMANY VARIOUS		
PERSHING II MISSILE SECURITY	56,000	
GERMANY VARIOUS		56,000
GIESSEN GENERAL DEPOT		
*BATTALION HEADQUARTERS	1,450	
PHYSICAL FITNESS TRAINING CENTER	1,700	
*TACTICAL EQUIPMENT SHOP	8,400	
GIESSEN GENERAL DEPOT		11,550
AUTHORIZED IN PRIOR YEAR		(9,850)
GOEPPINGEN		
CHILD CARE CENTER	1,100	
TACTICAL EQUIPMENT SHOP	3,800	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,850	
UNACCOMPANIED OFFICER HOUSING	2,300	
GOEPPINGEN		10,050
GRAFENWOEHR		
AUTOMATED RECORD FIRE RANGE	2,450	
GRAFENWOEHR		2,450
HAINGRUEN		
TROOP READY BUILDING	680	
HAINGRUEN		680
HANAU		
BATTALION HEADQUARTERS	810	
CHILD CARE CENTER	780	
DISPENSARY/DENTAL CLINIC	1,850	
HARDSTAND	1,850	
TACTICAL EQUIPMENT SHOP	4,050	
TACTICAL EQUIPMENT SHOP	8,200	
TACTICAL EQUIPMENT SHOP	19,000	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,600	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,650	
HANAU		42,790
HEIDELBERG		
CHILD CARE CENTER	3,550	
TACTICAL EQUIPMENT SHOP	3,450	
HEIDELBERG		7,000
HEILBRONN		
HARDSTAND	750	
HARDSTAND	2,200	
HEILBRONN		2,950
HOHENFELS		
APPLIED INSTRUCTION BUILDING	1,600	
AUTOMATED RECORD FIRE RANGE	1,450	
HOHENFELS		3,050
KAISERSLAUTERN		
TACTICAL EQUIPMENT SHOP	3,450	
KAISERSLAUTERN		3,450

* AUTHORIZED IN PRIOR YEAR

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

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SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
ARMY		
KARLSRUHE		
CHILD CARE CENTER	470	
KARLSRUHE		470
NEU ULM		
CHILD CARE CENTER	1,000	
NEU ULM		1,000
NUERNBERG		
BATTALION HEADQUARTERS	2,300	
CHILD CARE CENTER	1,850	
MODIFIED RECORD FIRE RANGE	2,850	
TACTICAL EQUIPMENT SHOP	1,500	
NUERNBERG		8,500
PIRMASENS		
ELECTRONICS MA'NTENANCE FACILITY	14,000	
PIRMASENS		14,000
RHEINBERG		
*PURCHASE OF SUPPORT FACILITY	11,600	
RHEINBERG		11,600
AUTHORIZED IN PRIOR YEAR		(11,600)
SCHWEINFURT		
AMMUNITION STORAGE	3,050	
BARRACKS WITH DINING FACILITY	13,000	
BATTALION HEADQUARTERS	1,100	
ROTARY WING AIRCRAFT PARKING	690	
SCHWEINFURT		17,840
STUTTGART		
COMMUNICATIONS SECURITY SUPPORT FACILITY	1,050	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,450	
STUTTGART		4,500
VILSECK		
CHILD CARE CENTER	2,350	
HEADQUARTERS	890	
TACTICAL EQUIPMENT SHOP	3,840	
VILSECK		7,080
WIESBADEN		
FLIGHT SIMULATOR BUILDING	2,900	
WIESBADEN		2,900
WILDFLECKEN		
MULTI-PURPOSE TRAINING RANGES	20,000	
WILDFLECKEN		20,000
WOBECK		
POWER DISTRIBUTION UPGRADE	700	
WOBECK		700
WUERZBURG		
AMMUNITION STORAGE	650	
BATTALION HEADQUARTERS	1,500	
CHILD CARE CENTER	2,050	
CONSOLIDATE HEATING PLANTS	5,600	
DINING FACILITY	2,650	
HARDSTAND	1,250	
HOSPITAL UPGRADE AND ADDITION	31,000	
SEWER SYSTEM UPGRADE	3,050	
TACTICAL SITE FACILITIES	320	
WUERZBURG		48,070
**ARMY		375,390
AUTHORIZED IN PRIOR YEAR		(32,640)

* AUTHORIZED IN PRIOR YEAR

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
AIR FORCE		
BITBURG AB		
ALTER UNACCOMP ENLISTED PERSONNEL HSG	3,250	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,600	
BITBURG AB		6,850
HAHN AB		
ALTER CONTROL TOWER	560	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,800	
CHAPEL CENTER	2,100	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,700	
HAHN AB		8,160
MARIENFELDE		
ADD-ALTER ESC OPERATIONS AREA	2,550	
MARIENFELDE		2,550
RAMSTEIN AB		
ALTER CONTROL TOWER	360	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,750	
COMPOSITE ALERT FACILITY	1,200	
DINING HALL	1,200	
ECIP-FACILITY ENERGY IMPROVEMENTS	960	
MUNITIONS STORAGE	850	
RRR EQUIPMENT STORAGE	1,000	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,200	
RAMSTEIN AB		11,520
RHEIN-MAIN AB		
COLD STORAGE FACILITY	570	
RHEIN-MAIN AB		570
SEMBACH AB		
ALTER CONTROL TOWER	360	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	6,100	
SEMBACH AB		6,460
SPANGDAHLEM AB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,900	
BASE ROADS AND UTILITIES	2,750	
PASSIVE DEFENSE EQUIPMENT STORAGE FAC	530	
RRR EQUIPMENT STORAGE	910	
TELECOMMUNICATIONS FACILITY	820	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,450	
WAREHOUSE	1,400	
SPANGDAHLEM AB		12,760
VARIOUS LOCATIONS-GERMANY		
GLCM-VEHICLE CORROSION CONTROL FACILITY	580	
PLSS NAVIGATION BEACON SITES	360	
VARIOUS LOCATIONS-GERMANY		940
VOGELWEH		
CHILD CARE CENTER	1,250	
VOGELWEH		1,250
WENIGERATH		
ROAD-RAILROAD SIDING	1,700	
WENIGERATH		1,700
ZWEIBRUCKEN AB		
ADD-ALTER FIRE STATION	1,350	
EDS-UNACCOMP ENLISTED PERSONNEL HOUSING	2,450	
ZWEIBRUCKEN AB		3,800

**AIR FORCE		56,560

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

      ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
     SPECIFIED OUTSIDE THE UNITED STATES
                ($ THOUSANDS)
STATE/COMP./INSTALLATION                               PROJ COST      TOTAL
--------------------PROJECT NAME---------------      ----------  ----------
GERMANY
  DEFENSE LEVEL ACTIVITIES
    BABENHAUSEN
     ELEMENTARY SCHOOL ADDITION                              760
      BABENHAUSEN                                                        760

    BAMBERG
     ELEMENTARY SCHOOL ADDITION                            3,390
     MIDDLE AND HIGH SCHOOL ADDITION                       2,410
      BAMBERG                                                          5,800

    BUTZBACH
     ELEMENTARY SCHOOL ADDITION                            3,000
      BUTZBACH                                                         3,000

    HANAU
     MIDDLE SCHOOL                                         6,700
      HANAU                                                            6,700

    HEIDELBERG
     ELEMENTARY SCHOOL NO. 2 ADDITION                      1,700
      HEIDELBERG                                                       1,700

    HEILBRONN
     ELEMENTARY/JUNIOR HIGH SCHOOL ADDITION                2,300
      HEILBRONN                                                        2,300

    PIRMASENS
     ELEMENTARY/JUNIOR HIGH SCHOOL ADDITIONS               1,630
      PIRMASENS                                                        1,630

    SCHWEINFURT
     JUNIOR HIGH SCHOOL                                    3,930
      SCHWEINFURT                                                      3,930

    SEMBACH AIR BASE
     ELEMENTARY SCHOOL ADDITION                            2,170
      SEMBACH AIR BASE                                                 2,170

    VILSECK
     ELEMENTARY SCHOOL                                     6,680
      VILSECK                                                          6,680
                                                                  ----------
  **DEFENSE LEVEL ACTIVITIES                                          34,670

***FAMILY HOUSING***

  ARMY
    BAMBERG
     NEW CONSTRUCTION (108)                              (7,000)
      BAMBERG
        FAMILY HOUSING                                                (7,000)

    GRAFENWOEHR
     NEW CONSTRUCTION (138)                              (6,120)
      GRAFENWOEHR
        FAMILY HOUSING                                                (6,120)

    VILSECK
     NEW CONSTRUCTION (370)                             (24,400)
      VILSECK
        FAMILY HOUSING                                               (24,400)
                                                                  ----------
  **ARMY
        FAMILY HOUSING                                               (37,520)

  AIR FORCE
    HAHN AB
     NEW CONSTRUCTION (440)                             (31,000)
      HAHN AB
        FAMILY HOUSING                                               (31,000)
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
AIR FORCE		
RAMSTEIN AB		
NEW CONSTRUCTION (400)	[27,000]	
RAMSTEIN AB FAMILY HOUSING		[27,000]
**AIR FORCE FAMILY HOUSING		[58,000]
**GERMANY		466,820
AUTHORIZED IN PRIOR YEAR		(32,640)
FAMILY HOUSING		[95,520]
GREECE		
ARMY		
GREECE		
UPGRADE MULTI-PURPOSE BUILDING	640	
UPGRADE OPERATIONS AND SUPPLY BUILDING	270	
GREECE		910
GREENLAND		
AIR FORCE		
SONDRESTROM AB		
CONSOLIDATED PORT FACILITY	2,550	
LAUNDRY	2,200	
REFUEL VEHICLE HEATED STORAGE FACILITY	1,000	
SONDRESTROM AB		5,750
THULE AB		
ADD-ALTER SATCOM GROUND TERMINAL SUPPORT	4,800	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,000	
COLD STORAGE FACILITY	3,300	
THULE AB		10,100
**AIR FORCE		15,850
GUAM		
NAVY		
NAVAL COMM AREA MASTER STA WESTPAC GUAM		
BACHELOR ENLISTED QUARTERS MODERNIZATION	7,450	
CHILD CARE CENTER ADDITION	615	
NAVAL COMM AREA MASTER STA WESTPAC GUAM		8,065
NAVAL MAGAZINE GUAM		
BACHELOR ENLISTED QUARTERS AND MESS HALL	4,700	
WHARF UTILITIES	6,570	
NAVAL MAGAZINE GUAM		11,270
NAVAL SHIP REPAIR FACILITY GUAM		
SAND STORAGE SILO	990	
NAVAL SHIP REPAIR FACILITY GUAM		990
NAVAL STATION GUAM		
FLEET HOSPITAL SUPPORT FACILITIES	9,000	
NAVAL STATION GUAM		9,000
NAVAL SUPPLY DEPOT GUAM		
COLD STORAGE WAREHOUSE ADDITION	6,000	
NAVAL SUPPLY DEPOT GUAM		6,000
NAVY PUBLIC WORKS CENTER GUAM		
STEAM SYSTEM IMPROVEMENTS	1,080	
NAVY PUBLIC WORKS CENTER GUAM		1,080
**NAVY		36,405

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES　　DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GUAM		
ARMY RESERVE		
BARRIGADA		
ADD/ALTER RESERVE CENTER	1,747	
BARRIGADA		1,747

**GUAM		38,152
GUANTANAMO BAY, CUBA		
NAVY		
NAVAL STATION GUANTANAMO BAY		
BACHELOR ENLISTED QUARTERS-NEW AND MODERN	10,060	
BACHELOR OFFICER QUARTERS	9,100	
COMMUNICATIONS FACILITIES	2,750	
NAVAL STATION GUANTANAMO BAY		21,910
ICELAND		
NAVY		
NAVAL AIR SATATION KEFLAVIK		
AIRCRAFT ACOUSTICAL ENCLOSURE SUPPORT FACS	1,270	
AIRFIELD IMPROVEMENTS	20,510	
NAVAL AIR SATATION KEFLAVIK		21,780
ITALY		
ARMY		
CP DARBY		
CHILD CARE CENTER	1,350	
CP DARBY		1,350
NAVY		
NAVAL AIR STATION SIGONELLA		
ADMINISTRATIVE AND SECURITY FACILITIES	1,500	
OPERATIONS VEHICLE GARAGE	2,250	
NAVAL AIR STATION SIGONELLA		3,750
NAVAL SUPPORT ACTIVITY NAPLES		
SUPPLY FACILITIES	7,000	
NAVAL SUPPORT ACTIVITY NAPLES		7,000

**NAVY		10,750
AIR FORCE		
AVIANO AB		
TELECOMMUNICATIONS FACILITY	920	
AVIANO AB		920
DECIMOMANNU AB		
VISITING AIRMEN QUARTERS	1,900	
DECIMOMANNU AB		1,900
SAN VITO AS		
ADD-ALTER WATER TREATMENT SYSTEM	1,100	
SAN VITO AS		1,100

**AIR FORCE		3,920
DEFENSE LEVEL ACTIVITIES		
SIGONELLA		
ELEMENTARY AND HIGH SCHOOL ADDITION	5,360	
SIGONELLA		5,360

**ITALY		21,380
JAPAN		
NAVY		
MARINE CORPS AIR STATION FUTENMA OKINAWA		
GROUND SUPPORT EQUIPMENT SHOP ADDITION	1,670	

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
(IN THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
JAPAN		
NAVY		
MARINE CORPS AIR STATION FUTENMA OKINAWA		
REFUELING VEHICLE SHOP	1,320	
MARINE CORPS AIR STATION FUTENMA OKINAWA		2,990
MARINE CORPS AIR STATION IWAKUNI		
AVIATION ARMAMENT SHOP	1,130	
OPERATIONAL TRAINER FACILITY	645	
MARINE CORPS AIR STATION IWAKUNI		1,775
MARINE CORPS BASE CAMP BUTLER OKINAWA		
HEAVY GUN SHOP	2,250	
MARINE CORPS BASE CAMP BUTLER OKINAWA		2,250
NAVY PUBLIC WORKS CENTER YOKOSUKA		
ELECTRICAL DISTRIBUTION SYSTEM IMPROVMENTS	3,800	
NAVY PUBLIC WORKS CENTER YOKOSUKA		3,800
**NAVY		10,815
AIR FORCE		
CAMP ZAMA		
ADD-ALTER SATELLITE COMM GROUND TERMINAL	1,500	
CAMP ZAMA		1,500
KADENA AB		
ADD TO ENGINE INSPECTION & REPAIR SHOP	5,400	
AIRCRAFT MAINTENANCE FACILITIES-PH 1	12,600	
SOUND SUPPRESSOR SUPPORT	600	
KADENA AB		18,600
MISAWA AB		
CP-III ABOVE GROUND STORAGE MAGAZINE	2,150	
CP-III CONCRETE ARCH IGLOO-MAGAZINE	2,850	
CP-III JET FUEL STORAGE	4,500	
MISAWA AB		9,500
YOKOTA AB		
ECIP-HVAC	1,900	
HYDRANT REFUELING SYSTEM	8,500	
YOKOTA AB		10,400
**AIR FORCE		40,000
DEFENSE LEVEL ACTIVITIES		
OKINAWA		
HIGH SCHOOL ADDITION (KADENA)	300	
OKINAWA		300
**JAPAN		51,115
KOREA		
ARMY		
CAMP CARROLL		
BATTALION HEADQUARTERS	1,950	
CALIBRATION LABORATORY	1,600	
FIELD MAINTENANCE ADDITION AND PAINT SHOP	1,800	
HARDSTAND	1,000	
MEDICAL MAINTENANCE AND OPTICAL SHOP	1,150	
MEDICAL SUPPLY OPERATIONS BUILDING	980	
SATELLITE COMMUNICATIONS TERMINAL BUILDING	2,600	
UNACCOMPANIED PERSONNEL HOUSING	9,300	
CAMP CARROLL		20,380
CAMP CASEY		
CANVAS/TENT REPAIR FACILITY	440	

FY 1989 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1989

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
KOREA		
ARMY		
CAMP CASEY		
COMPANY OPERATIONS AND SUPPLY	350	
COMPANY OPERATIONS AND SUPPLY	370	
COMPANY OPERATIONS AND SUPPLY	800	
DENTAL CLINIC	2,350	
DINING FACILITY	1,350	
TACTICAL EQUIPMENT SHOP	950	
TACTICAL EQUIPMENT SHOP	2,450	
UNACCOMPANIED PERSONNEL HOUSING	3,600	
WAREHOUSE	700	
CAMP CASEY		12,920
CAMP CASTLE		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	1,100	
CAMP CASTLE		1,100
CAMP COLBERN		
UNACCOMPANIED OFFICER HOUSING	550	
CAMP COLBERN		550
CAMP EDWARDS		
COMPANY OPERATIONS AND SUPPLY	350	
TACTICAL EQUIPMENT SHOP	730	
CAMP EDWARDS		1,080
CAMP GARY OWEN		
UNACCOMPANIED OFFICER HOUSING	580	
CAMP GARY OWEN		580
CAMP GIANT		
UNACCOMPANIED PERSONNEL HOUSING	1,050	
CAMP GIANT		1,050
CAMP GREAVES		
MOVING TARGET SIMULATOR BUILDING	420	
CAMP GREAVES		420
CAMP HOVEY		
UNACCOMPANIED PERSONNEL HOUSING	8,000	
CAMP HOVEY		8,000
CAMP HOWZE		
MOVING TARGET SIMULATOR BUILDING	430	
TACTICAL EQUIPMENT SHOP	800	
TACTICAL EQUIPMENT SHOP	750	
CAMP HOWZE		1,980
CAMP HUMPHREYS		
25 METER FIRING RANGE	700	
FLIGHT SIMULATOR BUILDING	1,850	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,450	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,900	
UNACCOMPANIED OFFICER HOUSING	3,700	
CAMP HUMPHREYS		11,600
CAMP KITTYHAWK		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	1,600	
CAMP KITTYHAWK		1,600
CAMP KYLE		
TACTICAL EQUIPMENT SHOP	930	
WAREHOUSES	2,650	
CAMP KYLE		3,580
CAMP LIBERTY BELL		
DINING FACILITY	800	
CAMP LIBERTY BELL		800

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
KOREA		
ARMY		
CAMP MARKET		
TACTICAL EQUIPMENT SHOP	710	
CAMP MARKET		710
CAMP PAGE		
AIRCRAFT MAINTENANCE HANGAR	7,200	
AIRFIELD OPERATIONS FACILITIES	2,100	
CENTRAL HEATING AND COOLING PLANT	4,550	
DISPENSARY/DENTAL CLINIC	1,550	
ELECTRICAL DISTRIBUTION SYSTEM UPGRADE	2,350	
FUEL STORAGE AND DISPENSING FACILITY	4,250	
TACTICAL EQUIPMENT SHOP	1,050	
UNACCOMPANIED PERSONNEL HOUSING	6,400	
WATER AND SEWER UPGRADE	3,200	
CAMP PAGE		32,650
CAMP PELHAM		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,400	
CAMP PELHAM		2,400
CAMP RED CLOUD		
COMPANY OPERATIONS AND SUPPLY	330	
TACTICAL EQUIPMENT SHOP	1,400	
CAMP RED CLOUD		1,730
CAMP STANLEY		
DISPENSARY	1,150	
UNACCOMPANIED PERSONNEL HOUSING	4,350	
CAMP STANLEY		5,500
K-16 ARMY AIRFIELD		
PAINTSHOP	900	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	610	
K-16 ARMY AIRFIELD		1,510
LOC 177		
MULTI-PURPOSE ACTIVITY CENTER	740	
LOC 177		740
YONGIN		
UNACCOMPANIED ENLISTED HOUSING COMPLEX	2,550	
YONGIN		2,550
YONGSAN		
BARRACKS AND MOVEMENT CONTROL CENTER	2,150	
CHAPEL AND RELIGIOUS EDUCATION FACILITY	2,050	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,000	
WAREHOUSE ADDITION	2,050	
YONGSAN		8,250

**ARMY		121,690
AIR FORCE		
KIMHAE AB		
MEDICAL CONTINGENCY COMPLEX	10,400	
KIMHAE AB		10,400
KUNSAN AB		
ADD-ALTER ELECTRICAL DISTRIBUTION SYSTEM	3,900	
AIRCRAFT MAINTENANCE UNIT FACILITY	1,950	
PORTOMOD SUPPORT	300	
KUNSAN AB		6,150
KWANG-JU AB		
ADD-ALTER WATER TREATMENT-DISTRIBUTION SYS	1,450	

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION --------------------PROJECT NAME----------------	PROJ COST	TOTAL
KOREA		
AIR FORCE		
KWANG-JU AB		
PORTOMOD SUPPORT	260	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,950	
KWANG-JU AB		6,660
OSAN AB		
ALTER UNACCOMP OFFICER PERSONNEL HOUSING	2,800	
KOCIC ALLIED SUPPORT-PHASE II	500	
MUNITIONS MAINTENANCE AND STORAGE FAC-PH I	7,000	
PORTOMOD SUPPORT	860	
SQUADRON OPERATIONS FACILITY	6,200	
OSAN AB		17,360
SACHON		
PORTOMOD SUPPORT	310	
SACHON		310

**AIR FORCE		40,880
DEFENSE LEVEL ACTIVITIES		
OSAN AIR BASE		
ELEMENTARY SCHOOL ADDITION	2,780	
OSAN AIR BASE		2,780
PUSAN		
ELEMENTARY AND HIGH SCHOOL ADDITION	1,540	
PUSAN		1,540
TAEGU		
ELEMENTARY AND HIGH SCHOOL ADDITION	730	
TAEGU		730

**DEFENSE LEVEL ACTIVITIES		5,050
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT PYONGTAEK		
FUEL TANKAGE	2,000	
DEF FUEL SUPPORT POINT PYONGTAEK		2,000
DEF FUEL SUPPORT POINT UIJONGBU		
FUEL TANKAGE	5,500	
DEF FUEL SUPPORT POINT UIJONGBU		5,500

**DEFENSE LOGISTICS AGENCY		7,500

**KOREA		175,120
KWAJALEIN		
ARMY		
KWAJALEIN		
AIRCRAFT MAINTENANCE HANGAR	7,100	
SHORE EROSION CONTROL	2,400	
UPGRADE AIRFIELD	5,100	
KWAJALEIN		14,600
MOROCCO		
AIR FORCE		
VARIOUS LOCATIONS-MOROCCO		
SOUTHWEST ASIA-ALTER MAINTENANCE HANGAR	550	
SOUTHWEST ASIA-APRON LIGHTING	2,050	
SOUTHWEST ASIA-WATER STORAGE	500	
VARIOUS LOCATIONS-MOROCCO		3,100

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

      ACTIVE, GUARD AND RESERVE FORCES            DATA AS OF 04 FEB 1986
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               ($ THOUSANDS)                        PROJ COST       TOTAL
STATE/COMP./INSTALLATION                           ----------  ----------
------------------PROJECT NAME---------------
NETHERLANDS
  AIR FORCE
    CAMP NEW AMSTERDAM                                  1,850
     ADD-ALTER ACFT GENERAL PURPOSE MAINT COMPL         1,450
     CHEMICAL WARFARE PROTECTION-AVIONICS SHOP            860
     TELECOMMUNICATIONS FACILITY                                    4,160
      CAMP NEW AMSTERDAM

    KEIZERVEER                                            270
     DIGITAL EUROPEAN BACKBONE FACILITY                               270
      KEIZERVEER

    VUGHT                                                 310
     DIGITAL EUROPEAN BACKBONE FACILITY                               310
      VUGHT

    WOENSDRECHT AB                                        280
     GLCM-BOUNDRY FENCE                                 1,900
     GLCM-COMMAND, CONTROL AND SAFETY                  10,000
     GLCM-SITE ACTIVATION SUPPORT FACILITIES            3,800
     GLCM-UTILITIES, PAVEMENTS AND ROADS                           15,980
      WOENSDRECHT AB                                           ----------
                                                                   20,720
  **AIR FORCE

  DEFENSE LEVEL ACTIVITIES
    SOESTERBERG AIR BASE                                4,460
     ELEMENTARY SCHOOL                                              4,460
      SOESTERBERG AIR BASE

***FAMILY HOUSING***

  AIR FORCE
    CAMP NEW AMSTERDAM                               [10,000]
     NEW CONSTRUCTION (140)
      CAMP NEW AMSTERDAM                                         [10,000]
        FAMILY HOUSING                                         ----------
                                                                   25,180
**NETHERLANDS                                                    [10,000]
        FAMILY HOUSING


PANAMA
  ARMY
    COROZAL                                             4,550
     BARRACKS MODERNIZATION                               930
     HVAC SYSTEMS MODIFICATIONS                                     5,480
      COROZAL


PHILIPPINES
  NAVY
    NAVAL MAGAZINE SUBIC BAY                              250
     FIRE PROTECTION                                                  250
      NAVAL MAGAZINE SUBIC BAY

    NAVAL SHIP REPAIR FACILITY SUBIC BAY                4,070
     SHIPFITTING SHOPS                                  9,200
     WHARF ELECTRICAL DISTR SYS IMPROVEMENTS                       13,270
      NAVAL SHIP REPAIR FACILITY SUBIC BAY                     ----------
                                                                   13,520
  **NAVY

  AIR FORCE
    CLARK AFB                                             800
     ADD-ALTER WATER DISTRIBUTION SYSTEM
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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
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($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION -------------------PROJECT NAME---------------	PROJ COST	TOTAL
PHILIPPINES		
AIR FORCE		
CLARK AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	3,650	
EMERGENCY POWER PLANT	2,800	
SECURITY AND SAFETY IMPROVEMENTS	1,650	
CLARK AFB		8,900
DEFENSE LEVEL ACTIVITIES		
CLARK AIR BASE		
HIGH SCHOOL (WAGNER)	7,190	
CLARK AIR BASE		7,190
FAMILY HOUSING		
NAVY		
NAVY PUBLIC WORKS CENTER SUBIC BAY		
NEW CONSTRUCTION (300)	[21,000]	
NAVY PUBLIC WORKS CENTER SUBIC BAY		
FAMILY HOUSING		[21,000]
AIR FORCE		
CLARK AFB		
NEW CONSTRUCTION (450)	[31,500]	
CLARK AFB		
FAMILY HOUSING		[31,500]

**PHILIPPINES		29,610
FAMILY HOUSING		[52,500]
PORTUGAL		
AIR FORCE		
GEODSS SITE 5		
GEODSS-COMPOSITE SUPPORT FACILITY	2,250	
GEODSS-SPACE TRACK OBSERVATION FACILITY	12,400	
GEODSS SITE 5		14,650
LAJES FIELD		
ADD TO-ALTER CHAPEL	1,000	
ADD-ALTER COLD STORAGE FACILITY	1,650	
CHILD CARE CENTER	1,100	
REFUELING VEHICLE MAINTENANCE SHOP	1,250	
LAJES FIELD		5,000

**AIR FORCE		19,650
PUERTO RICO		
NAVY		
LANT FLT WPNS TRAINING FAC ROOSEVELT ROADS		
RANGE OPERATIONS CENTER	3,000	
UNDERWATER RANGE OPERATIONS CENTER	4,100	
LANT FLT WPNS TRAINING FAC ROOSEVELT ROADS		7,100
NAVAL STATION ROOSEVELT ROADS		
BACHELOR QUARTERS	14,700	
NAVAL STATION ROOSEVELT ROADS		14,700

**NAVY		21,800
DEFENSE LEVEL ACTIVITIES		
FORT BUCHANAN		
DEPENDENT SCHOOL-NEW HIGH SCHOOL	9,753	
FORT BUCHANAN		9,753
ROOSEVELT ROADS NAVAL STATION		
DEPENDENT SCHOOL-HIGH SCHOOL IMPROVEMENTS	1,200	
ROOSEVELT ROADS NAVAL STATION		1,200

**DEFENSE LEVEL ACTIVITIES		10,953

**PUERTO RICO		32,753

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ACTIVE, GUARD AND RESERVE FORCES
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($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION ----------PROJECT NAME----------	PROJ COST	TOTAL
SPAIN		
NAVY		
NAVAL STATION ROTA		
*PIER EXTENSION	6,750	
NAVAL STATION ROTA		6,750
AUTHORIZED IN PRIOR YEAR		(6,750)
TURKEY		
ARMY		
TURKEY		
POWER UPGRADE	5,200	
SOLID WASTE INCINERATOR	540	
UNACCOMPANIED OFFICER HOUSING	1,150	
WAREHOUSE	550	
TURKEY		7,440
AIR FORCE		
ANKARA		
TRANSIENT LODGING FACILITY	950	
ANKARA		950
INCIRLIK AB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,250	
CONSOLIDATED SUPPORT CENTER	4,500	
CW PROTECTION-SQUADRON OPERATIONS	1,400	
ECIP-LIGHTING SYSTEMS	300	
SATCOM GROUND TERMINAL	2,600	
TELECOMMUNICATIONS FACILITY	770	
INCIRLIK AB		11,820
KARATAS		
UNACCOMP ENLISTED PERSONNEL HOUSING	2,330	
KARATAS		2,330
PIRINCLIK		
SATCOM GROUND TERMINAL	2,600	
PIRINCLIK		2,600

**AIR FORCE		17,700

**TURKEY		25,140
UNITED KINGDOM		
NAVY		
NAVAL ACTIVITIES LONDON		
SUPPORT BUILDING ACQUISITION	785	
NAVAL ACTIVITIES LONDON		785
AIR FORCE		
FLYINGDALES - BMEWS SITE III		
SATCOM GROUND TERMINAL	3,100	
FLYINGDALES - BMEWS SITE III		3,100
MOLESWORTH		
GLCM-COMMUNICATIONS EQUIPMENT FACILITY	410	
GLCM-DINING HALL	1,590	
GLCM-FIRE STATION	860	
GLCM-HELICOPTER PAD	430	
GLCM-HIGH FREQUENCY COMMUNICATIONS FAC	1,400	
GLCM-MEDICAL AID STATION	490	
GLCM-SECURITY POLICE OPERATIONS FACILITY	1,150	
GLCM-SMALL ARMS TRAINING COMPLEX	1,100	
GLCM-TELECOMMUNICATIONS-METEOROLOGIC FAC	640	
GLCM-TOWER SUPPORT	340	

* AUTHORIZED IN PRIOR YEAR

FY 1988 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1988

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
UNITED KINGDOM		
AIR FORCE		
MOLESWORTH		
GLCM-UTILITIES AND PAVEMENTS	7,213	
GLCM-VEH MAINT SHOP (RAF ALCONBURY)	4,080	
GLCM-VEHICLE CORROSION CONTROL FACILITY	700	
MOLESWORTH		20,333
RAF ALCONBURY		
ADD TO WATER DISTRIBUTION SYSTEM	380	
ADD-ALTER FIRE STATION	1,600	
ADD-ALTER WAREHOUSE	1,700	
ALTER ELECTRICAL DISTRIBUTION SYSTEM	1,450	
ECIP-FACILITY ENERGY IMPROVEMENTS	2,050	
SOUND SUPPRESSOR SUPPORT	400	
TR-1 ADD-ALTER SQUADRON OPERATIONS FAC	1,080	
TR-1 CW PROTECTION-AVIONICS MAINT FAC	2,200	
TR-1 CW PROTECTION-SENSOR MAINTENANCE FAC	1,880	
TR-1 UNACCOMP ENLISTED PERSONNEL HOUSING	5,800	
RAF ALCONBURY		18,840
RAF BENTWATERS		
ADD TO AIRCRAFT ENGINE I&R SHOP	2,100	
ADD-ALTER UNACCOMP ENLISTED PERSONNEL HSG	2,800	
AIRCRAFT MAINTENANCE FACILITY	900	
VEHICLE MAINTENANCE COMPLEX	4,050	
WAREHOUSE	2,200	
RAF BENTWATERS		12,050
RAF CHICKSANDS		
ADD-ALTER CLINIC	830	
CHILD CARE CENTER	800	
RAF CHICKSANDS		1,630
RAF GREENHAM COMMON		
GLCM-HIGH FREQUENCY COMMUNICATIONS FAC	1,400	
RAF GREENHAM COMMON		1,400
RAF LAKENHEATH		
ADD-ALTER VEHICLE MAINTENANCE SHOP	2,870	
MUNITIONS STORAGE IGLOOS	2,250	
WAREHOUSE	2,700	
RAF LAKENHEATH		7,820
RAF MILDENHALL		
DANGEROUS CARGO PAD	900	
ECIP-WEATHERIZATION	600	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,540	
RAF MILDENHALL		4,040
RAF UPPER HEYFORD		
ALTER WATER DISTRIBUTION SYSTEM	1,900	
ECIP-FACILITY ENERGY IMPROVEMENTS	910	
TELECOMMUNICATIONS FACILITY	630	
RAF UPPER HEYFORD		3,440
VARIOUS LOCATIONS-UNITED KINGDOM		
NORTHERN EUROPE TRACKING STATION	3,600	
VARIOUS LOCATIONS-UNITED KINGDOM		3,600

**AIR FORCE		76,313
DEFENSE LEVEL ACTIVITIES		
BICESTER		
ELEMENTARY SCHOOL	4,570	
BICESTER		4,570

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
UNITED KINGDOM		
DEFENSE LEVEL ACTIVITIES		
UPWOOD		
ELEMENTARY SCHOOL ADDITION	3,240	
UPWOOD		3,240
WOODBRIDGE ROYAL AIR FORCE STATION		
ELEMENTARY SCHOOL ADDITION	1,060	
WOODBRIDGE ROYAL AIR FORCE STATION		1,060
**DEFENSE LEVEL ACTIVITIES		8,870
**UNITED KINGDOM		85,968
OVERSEAS CLASSIFIED		
AIR FORCE		
BASE THIRTY		
TR-1 ADD-ALTER DINING HALL	275	
TR-1 GROUND STATION	4,500	
BASE THIRTY		4,775
BASE THIRTY THREE		
C-130 AIRCRAFT MAINTENANCE COMPLEX	7,250	
C-130 SECURITY FENCE	600	
C-130 SITE SUPPORT WORK	1,600	
BASE THIRTY THREE		9,450
BASE TWENTY FIVE		
SATCOM GROUND TERMINAL	4,500	
BASE TWENTY FIVE		4,500
**AIR FORCE		18,725
NATIONAL SECURITY AGENCY		
CLASSIFIED LOCATION		
EMERGENCY GENERATOR	2,500	
MARCHER	4,650	
CLASSIFIED LOCATION		7,150
FAMILY HOUSING		
NATIONAL SECURITY AGENCY		
OVERSEAS CLASSIFIED		
CLASSIFIED PROJECT	(1,500)	
OVERSEAS CLASSIFIED FAMILY HOUSING		(1,500)
**OVERSEAS CLASSIFIED FAMILY HOUSING		25,875 (1,500)

FY 1988 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1988

STATE/COMP./INSTALLATION --------PROJECT NAME--------	PROJ COST	TOTAL
TOTALS		
ARMY		
AUTHORIZED IN PRIOR YEAR		528,807
FAMILY HOUSING		(32,640)
		[37,520]
NAVY		
AUTHORIZED IN PRIOR YEAR		192,985
FAMILY HOUSING		(6,750)
		[21,000]
AIR FORCE		
FAMILY HOUSING		330,588
		[127,000]
DEFENSE AGENCIES		
FAMILY HOUSING		98,823
		[1,900]

SPECIFIED OUTSIDE THE UNITED STATES		
AUTHORIZED IN PRIOR YEAR		1,151,083
FAMILY HOUSING		(39,390)
		[187,000]

FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
UNSPECIFIED WORLDWIDE
($ THOUSANDS)

STATE/COMP./INSTALLATION --------------------PROJECT NAME----------------	PROJ COST	TOTAL
WORLDWIDE UNSPECIFIED		
NATO INFRASTRUCTURE		
DEFENSE LEVEL ACTIVITIES	40,000	
NATO INFRASTRUCTURE		40,000
ACCESS ROADS		
NAVY	2,420	
ACCESS ROADS		2,420
UNSPECIFIED MINOR CONSTRUCTION		
ARMY	18,500	
NAVY	13,700	
AIR FORCE	15,000	
DEFENSE LEVEL ACTIVITIES	2,700	
ARMY NATIONAL GUARD	15,000	
AIR NATIONAL GUARD	4,700	
ARMY RESERVE	3,400	
NAVY RESERVE	1,540	
AIR FORCE RESERVE	2,000	
UNSPECIFIED MINOR CONSTRUCTION		76,540
PLANNING AND DESIGN		
ARMY	133,000	
NAVY	139,660	
AIR FORCE	134,000	
DEFENSE LEVEL ACTIVITIES	27,500	
ARMY NATIONAL GUARD	12,362	
AIR NATIONAL GUARD	9,600	
ARMY RESERVE	8,605	
NAVY RESERVE	4,200	
AIR FORCE RESERVE	5,000	
PLANNING AND DESIGN		473,927

WORLDWIDE UNSPECIFIED		592,887
WORLDWIDE VARIOUS		
ARMY		
CONGRESSIONAL REDUCTIONS-WORLDWIDE VARIOUS		
GENERAL REDUCTION-MULTIPURPOSE RANGES	-4,300	
CONGRESSIONAL REDUCTIONS		-4,300
CONGRESSIONAL REDUCTIONS-WORLDWIDE VARIOUS		
GENERAL REDUCTION- INSTRUCTION FACILITIES	-2,100	
CONGRESSIONAL REDUCTIONS		-2,100
VARIOUS CONUS REDUCTION FOR SAVINGS-WORLDWIDE VARIOUS		
GENERAL REDUCTION	-235,000	
VARIOUS CONUS REDUCTION FOR SAVINGS		-235,000
VARIOUS OCONUS REDUCTION FOR SAVINGS-WORLDWIDE VARIOUS		
GENERAL REDUCTION	-45,000	
VARIOUS OCONUS REDUCTION FOR SAVINGS		-45,000

ARMY		-286,400
NAVY		
CONGRESSIONAL REDUCTIONS-WORLDWIDE VARIOUS		
GENERAL REDUCTION	-54,200	
CONGRESSIONAL REDUCTIONS		-54,200
AIR FORCE		
CONGRESSIONAL REDUCTIONS-WORLDWIDE VARIOUS		
GENERAL REDUCTION	-47,800	
CONGRESSIONAL REDUCTIONS		-47,800

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FY 1986 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS ENACTED
        ACTIVE, GUARD AND RESERVE FORCES
              UNSPECIFIED WORLDWIDE                DATA AS OF 04 FEB 1986
                 ($ THOUSANDS)
STATE/COMP./INSTALLATION
--------------------PROJECT NAME---------------    PROJ COST       TOTAL
WORLDWIDE VARIOUS                                  ----------  ----------
 DEFENSE MAPPING AGENCY
  CONGRESSIONAL REDUCTION
    GENERAL REDUCTION - DMA
     CONGRESSIONAL REDUCTION                             -200
                                                                     -200
 DEFENSE LEVEL ACTIVITIES
  CONGRESSIONAL REDUCTIONS-WORLDWIDE VARIOUS
    GENERAL REDUCTIONS - DOD SCHOOLS
     CONGRESSIONAL REDUCTIONS                          -6,660
                                                                   -6,660
 DEFENSE LOGISTICS AGENCY
  CONGRESSIONAL REDUCTIONS-WORLDWIDE VARIOUS
    GENERAL REDUCTIONS - DLA
     CONGRESSIONAL REDUCTIONS                         -38,835
                                                                  -38,835
 ARMY NATIONAL GUARD
  CONGRESSIONAL REDUCTIONS-WORLDWIDE VARIOUS
    GENERAL REDUCTION
     CONGRESSIONAL REDUCTIONS                          -6,000
                                                                   -6,000
 AIR NATIONAL GUARD
  CONGRESSIONAL REDUCTIONS-WORLDWIDE VARIOUS
    GENERAL REDUCTION
     CONGRESSIONAL REDUCTIONS                         -13,950
                                                                  -13,950
 ARMY RESERVE
  CONGRESSIONAL REDUCTIONS-WORLDWIDE VARIOUS
    GENERAL REDUCTION
     CONGRESSIONAL REDUCTIONS                          -8,000
                                                                   -8,000
 NAVY RESERVE
  GENERAL REDUCTION-WORLDWIDE VARIOUS
    BASE OPERATIONS-OTHER NAVAL RESERVE
     GENERAL REDUCTION                                -10,000
                                                                  -10,000
 AIR FORCE RESERVE
  CONGRESSIONAL REDUCTIONS-WORLDWIDE VARIOUS
    GENERAL REDUCTION
     CONGRESSIONAL REDUCTIONS                          -5,000
WORLDWIDE VARIOUS                                                  -5,000
                                                                ----------
                                                                 -478,645
TOTALS
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 ARMY
                                                                 -108,533
 NAVY
                                                                   86,320
 AIR FORCE
                                                                  103,950
 DEFENSE AGENCIES
                                                                   84,508
 UNSPECIFIED WORLDWIDE                                          ----------
                                                                  116,242
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FY 1986 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS ENACTED
                                                          DATA AS OF 04 FEB 1986
              ($ THOUSANDS)
STATE/COMP /INSTALLATION                                    PROJ COST      TOTAL
------------------PROJECT NAME---------------              ----------   ----------
ARMY
  NEW CONSTRUCTION
    CALIFORNIA
     FORT ORD
       NEW CONSTRUCTION (500)                                 40,000
       NEW CONSTRUCTION (70 TRAILER PADS)
         (MEMO-NON-ADD)                                      (1,081)
        FORT ORD                                                           40,000
         (MEMO-NON-ADD)                                                   (1,081)

    COLORADO
     FORT CARSON
       NEW CONSTRUCTION (50)                                     712
        FORT CARSON                                                           712

    GEORGIA
     FORT STEWART
       NEW CONSTRUCTION (20)                                     253
        FORT STEWART                                                          253

    KANSAS
     FORT RILEY
       NEW CONSTRUCTION (50)                                     700
        FORT RILEY                                                            700

    KENTUCKY
     FORT CAMPBELL
       NEW CONSTRUCTION (50)                                     689
        FORT CAMPBELL                                                         689

    MASSACHUSETTS
     FORT DEVENS
       NEW CONSTRUCTION (20)                                     317
        FORT DEVENS                                                           317

    NEW YORK
     FORT DRUM
       NEW CONSTRUCTION (800)                                 56,000
        FORT DRUM                                                          56,000

    NORTH CAROLINA
     FORT BRAGG
       NEW CONSTRUCTION (50)                                     637
        FORT BRAGG                                                            637

    UTAH
     DUGWAY PROVING GROUND
       NEW CONSTRUCTION (104)                                  7,353
       NEW CONSTRUCTION (24)                                     351
        DUGWAY PROVING GROUND                                               7,704

    VIRGINIA
     FORT MYER
       NEW CONSTRUCTION (6)                                      486
        FORT MYER                                                             486

    GERMANY
     BAMBERG
       NEW CONSTRUCTION (108)                                  7,000
        BAMBERG                                                             7,000

     GRAFENWOEHR
       NEW CONSTRUCTION (138)                                  6,120
        GRAFENWOEHR                                                         6,120

     VILSECK
       NEW CONSTRUCTION (370)                                 24,400
        VILSECK                                                            24,400
        GERMANY                                                            37,520
                                                                       ----------
  NEW CONSTRUCTION                                                        145,018
        (MEMO-NON-ADD)                                                    (1,081)
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FY 1989 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

($ THOUSANDS) DATA AS OF 04 FEB 1988

STATE/COMP./INSTALLATION --PROJECT NAME--	PROJ COST	TOTAL
ARMY		
CONSTRUCTION IMPROVEMENTS	102,000	102,000
PLANNING	15,000	15,000
TOTAL FAMILY HOUSING, ARMY CONSTRUCTION (MEMO-NON-ADD)		298,018 (1,081)
OPERATING EXPENSES		
FURNISHINGS ACCOUNT		
MANAGEMENT ACCOUNT	100,000	
MISCELLANEOUS ACCOUNT	65,000	
SERVICES ACCOUNT	1,002	
UTILITIES ACCOUNT	44,500	
OPERATING EXPENSES	280,000	
LEASING		490,502
	113,567	113,567
MAINTENANCE OF REAL PROPERTY	580,000	580,000
TOTAL FAMILY HOUSING, ARMY OPERATIONS		1,187,069
INTEREST PAYMENTS	918	918
MORTGAGE INSURANCE PREMIUMS	95	95
TOTAL FAMILY HOUSING, ARMY DEBT		1,013
GRAND TOTAL FAMILY HOUSING, ARMY (MEMO-NON-ADD)		1,486,100 (1,081)
NAVY		
NEW CONSTRUCTION		
ALASKA		
NAVAL STATION ADAK		
NEW CONSTRUCTION (100)		
NAVAL STATION ADAK	15,500	
		15,500
CALIFORNIA		
FLEET TRNG GROUP PACIFIC WARNER SPRINGS		
NEW CONSTRUCTION (44)		
FLEET TRNG GROUP PACIFIC WARNER SPRINGS	2,450	
		2,450
MARCOR AIR-GRND COMB CTR TWENTYNINE PALMS		
NEW CONSTRUCTION (100)		
MARCOR AIR-GRND COMB CTR TWENTYNINE PALMS	6,800	
		6,800
MARINE CORPS AIR STATION EL TORO		
NEW CONSTRUCTION (262)		
MARINE CORPS AIR STATION EL TORO	24,500	
		24,500
NAVAL COMPLEX SAN DIEGO		
NEW CONSTRUCTION (200)		
NAVAL COMPLEX SAN DIEGO	14,000	
CALIFORNIA		14,000 47,750
NEW JERSEY		
NAVAL WEAPONS STATION EARLE		
NEW CONSTRUCTION (200)		
NAVAL WEAPONS STATION EARLE	14,500	
		14,500
PENNSYLVANIA		
AVIATION SUPPLY OFFICE PHILADELPHIA		
NEW CONSTRUCTION (1)		
AVIATION SUPPLY OFFICE PHILADELPHIA	108	
		108
PHILIPPINES		
NAVY PUBLIC WORKS CENTER SUBIC BAY		
NEW CONSTRUCTION (300)		
NAVY PUBLIC WORKS CENTER SUBIC BAY	21,000	
		21,000
NEW CONSTRUCTION		98,858

FY 1986 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

DATA AS OF 04 FEB 1986

($ THOUSANDS)

STATE/COMP./INSTALLATION ------------------PROJECT NAME----------------	PROJ COST ----------	TOTAL ----------
NAVY		
CONSTRUCTION IMPROVEMENTS	34,020	34,020
PLANNING	6,930	6,930 ----------
TOTAL FAMILY HOUSING, NAVY CONSTRUCTION		139,808
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	11,936	
MANAGEMENT ACCOUNT	40,000	
MISCELLANEOUS ACCOUNT	400	
SERVICES ACCOUNT	29,000	
UTILITIES ACCOUNT	172,000	
OPERATING EXPENSES		253,336
LEASING	16,934	16,934
MAINTENANCE OF REAL PROPERTY	254,000	254,000 ----------
TOTAL FAMILY HOUSING, NAVY OPERATIONS		524,270
INTEREST PAYMENTS	822	822
MORTGAGE INSURANCE PREMIUMS	241	241 ----------
TOTAL FAMILY HOUSING, NAVY DEBT		1,063 ----------
GRAND TOTAL FAMILY HOUSING, NAVY		665,141
AIR FORCE		
NEW CONSTRUCTION		
SOUTH DAKOTA		
BELLE FOURCHE		
NEW CONSTRUCTION (50)	4,000	
BELLE FOURCHE		4,000
BELGIUM		
FLORENNES		
NEW CONSTRUCTION (400)	27,500	
FLORENNES		27,500
GERMANY		
HAHN AB		
NEW CONSTRUCTION (440)	31,000	
HAHN AB		31,000
RAMSTEIN AB		
NEW CONSTRUCTION (400)	27,000	
RAMSTEIN AB		27,000
GERMANY		58,000
NETHERLANDS		
CAMP NEW AMSTERDAM		
NEW CONSTRUCTION (140)	10,000	
CAMP NEW AMSTERDAM		10,000
PHILIPPINES		
CLARK AFB		
NEW CONSTRUCTION (450)	31,500	
CLARK AFB		31,500 ----------
NEW CONSTRUCTION		131,000
CONSTRUCTION IMPROVEMENTS	46,300	46,300
PLANNING	5,000	5,000 ----------
TOTAL FAMILY HOUSING, AIR FORCE CONSTRUCTION		182,300

FY 1986 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS ENACTED

DATA AS OF 04 FEB 1986

($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
AIR FORCE		
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	36,000	
MANAGEMENT ACCOUNT	25,514	
MISCELLANEOUS ACCOUNT	4,997	
SERVICES ACCOUNT	22,850	
UTILITIES ACCOUNT	235,000	
OPERATING EXPENSES		324,361
LEASING	40,000	40,000
MAINTENANCE OF REAL PROPERTY	285,800	285,800
TOTAL FAMILY HOUSING, AIR FORCE OPERATIONS		650,161
INTEREST PAYMENTS	700	700
MORTGAGE INSURANCE PREMIUMS	307	307
TOTAL FAMILY HOUSING, AIR FORCE DEBT		1,007
GRAND TOTAL FAMILY HOUSING, AIR FORCE		651,168
DEFENSE MAPPING AGENCY		
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	1	
SERVICES ACCOUNT	3	
UTILITIES ACCOUNT	19	
OPERATING EXPENSES		23
LEASING	33	33
MAINTENANCE OF REAL PROPERTY	31	31
TOTAL FAMILY HOUSING, DMA		87
NATIONAL SECURITY AGENCY		
NEW CONSTRUCTION		
OVERSEAS CLASSIFIED		
OVERSEAS CLASSIFIED		
CLASSIFIED PROJECT		
OVERSEAS CLASSIFIED	1,500	
		1,500
NEW CONSTRUCTION		1,500
CONSTRUCTION IMPROVEMENTS	70	70
OPERATING EXPENSES		
MISCELLANEOUS ACCOUNT	543	
OPERATING EXPENSES		543
LEASING	6,000	6,000
MAINTENANCE OF REAL PROPERTY	292	292
TOTAL FAMILY HOUSING, NSA		8,405
DEF INTELLIGENCE AGENCY		
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	643	
OPERATING EXPENSES		643
LEASING	6,967	6,967
TOTAL FAMILY HOUSING, DIA		7,610

FY 1988 FAMILY HOUSING TOTAL OBLIGATION - AUTHORITY AS ENACTED

DATA AS OF 04 FEB 1988

($ THOUSANDS) STATE/COMP /INSTALLATION --------------------PROJECT NAME----------------	PROJ COST	TOTAL
DEFENSE LOGISTICS AGENCY		
CONSTRUCTION IMPROVEMENTS	40	40
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	17	
SERVICES ACCOUNT	10	
UTILITIES ACCOUNT	158	
OPERATING EXPENSES		185
MAINTENANCE OF REAL PROPERTY	240	240
TOTAL FAMILY HOUSING, DLA		465
GRAND TOTAL FAMILY HOUSING, DEFENSE		16,567
ARMY		
PAYMENT TO HOMEOWNERS	185	185
OTHER OPERATING COSTS	815	815
ACQUISITION OF REAL PROPERTY	440	440
MORTGAGES ASSUMED	160	160
ARMY		1,600